

# Tractor Instruction

## AND PARTS LIST

Model LA 2 H.P. Tractor  
Model FA 2½ H.P. Tractor  
Model VA 5 H.P. Tractor



*Simplicity Manufacturing Company*

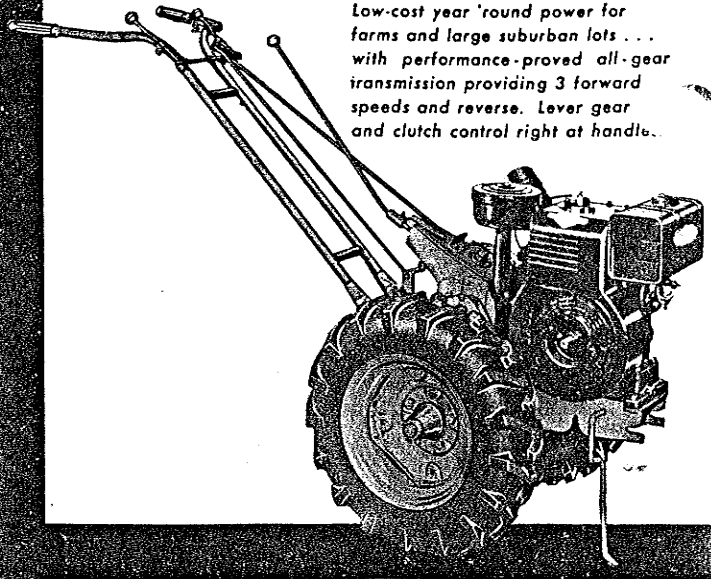
PORT WASHINGTON, WISCONSIN

# great tractors in the Simplicity Line!

For a family investment in year 'round work-saving . . . for practical, indispensable power that works instead of you . . . for yards, gardens, large suburban lots or farms — the answer to your garden tractor requirements rests with one of the three outstanding Simplicity Garden Tractors. There's the new 2½ H.P. Model FA with lever gear shift, 6 forward speeds *and* reverse . . . the husky 5 H.P. Model VA utility tractor with all-gear transmission, 3 forward speeds and reverse . . . and the time-tested 2 H.P. Model LA with 5 speeds forward. Each is a prime example of precision construction and dependable performance . . . and each multiplies usefulness with a wide variety of easy-to-use Simplicity implements that save you time and labor on dozens of yard, garden and farm jobs!

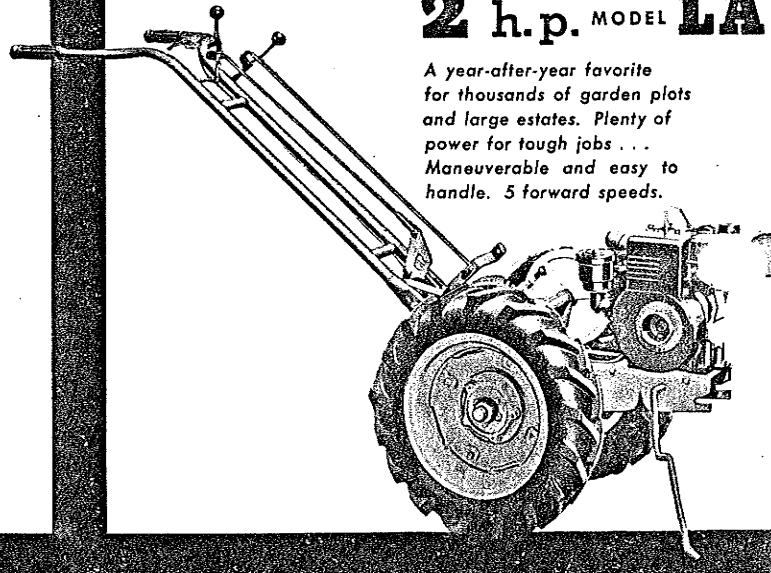
## 5 h.p. MODEL VA

Low-cost year 'round power for farms and large suburban lots . . . with performance-proved all-gear transmission providing 3 forward speeds and reverse. Lever gear and clutch control right at handle.



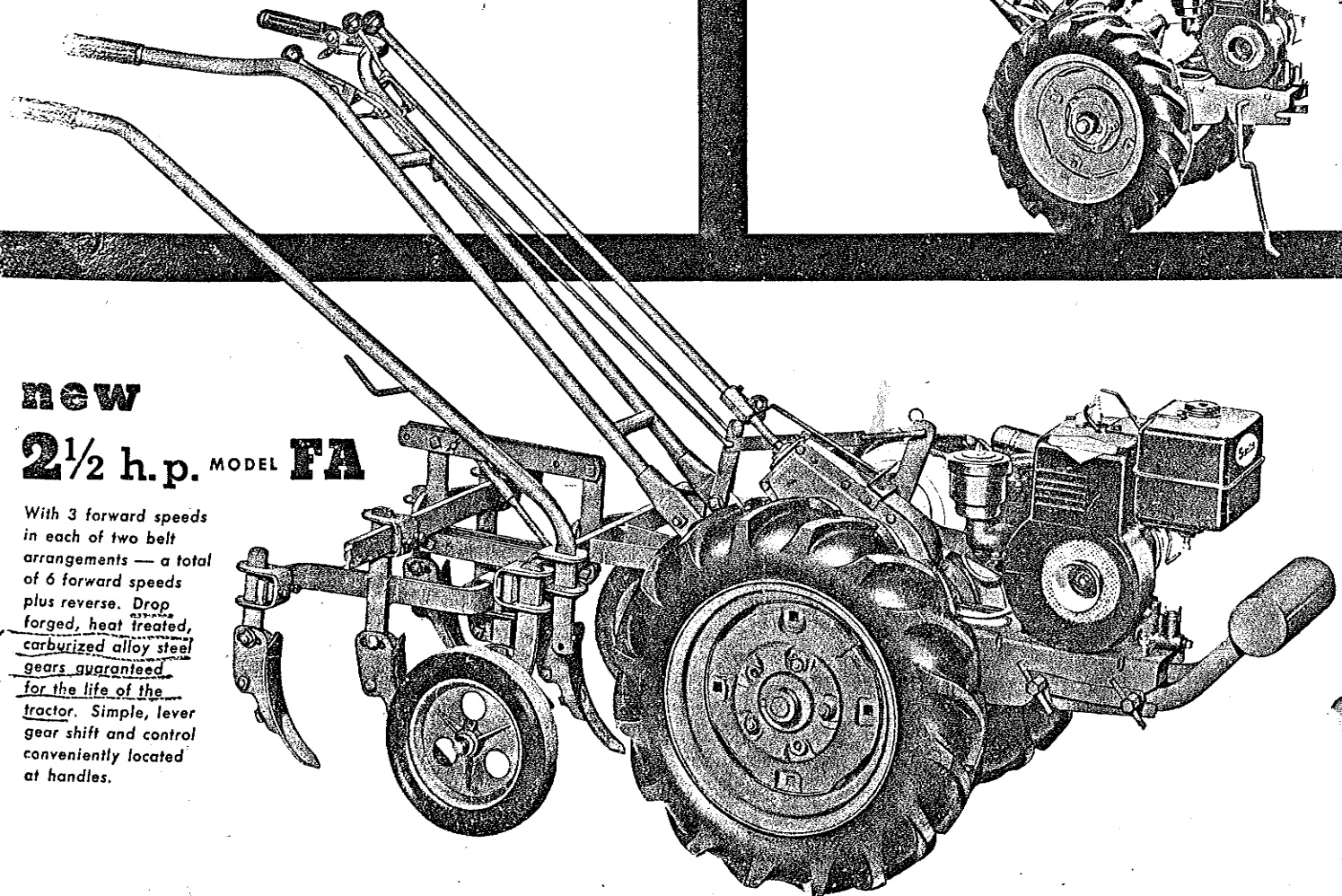
## 2 h.p. MODEL LA

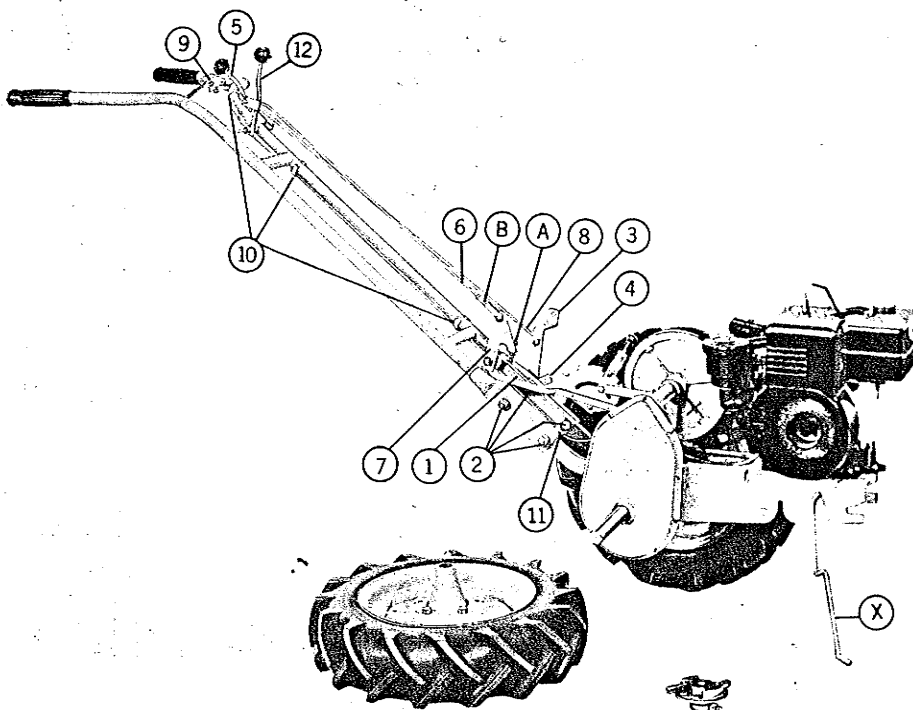
A year-after-year favorite for thousands of garden plots and large estates. Plenty of power for tough jobs . . . Maneuverable and easy to handle. 5 forward speeds.



## new 2½ h.p. MODEL FA

With 3 forward speeds in each of two belt arrangements — a total of 6 forward speeds plus reverse. Drop forged, heat treated, carburized alloy steel gears guaranteed for the life of the tractor. Simple, lever gear shift and control conveniently located at handles.





## MODEL LA 2 H. P. TRACTOR

### PACKING LIST

The complete tractor is shipped in a crate with handles and clutch lever assemblies packed separately in a carton. Tools and draw bar pin for attaching drawn implements are in a bag secured to the tractor crate.

The Model LA tractor is equipped with a convenient kick stand. This stand enables the tractor to be kept level when implements are not attached.

### INSTRUCTIONS FOR ASSEMBLING

Before bolting handles to frame insert throttle cable through cable housing clamp as shown at (11).

1. Bolt handles to the outside of tractor frame with frame extension (1) on inside as shown. Handle bolts (2) are shipped inserted in the frame.

NOTE: When bolting handles to the frame, be sure that the bushings, washers, lever and lever stop are re-assembled in the same sequence as packed.

2. Attach lower clutch lever (3) to handle and frame with handle bolt as shown.

3. Lower clutch lever (3) should rest on lever stop (4) when clutch lever (5) is forward.

4. Attach clutch rod (6) to the arm (7).

5. Attach upper idler rod (8) to lower clutch lever (3) as shown.

6. Attach throttle control lever (9) to the left hand handle with the throttle cable strung under the handle.

7. Clamp throttle cable to the handle with three clamps provided as shown at (10).

NOTE: Screws and clamps for cable and throttle lever are packed in mailing bag tied to cable.

### TIRE PRESSURE

For shipping purposes, tractor tires are inflated to approximately 38 pounds. When tractor is assembled and ready for use, deflate tires to 8 to 10 pounds of pressure.

### ADJUSTMENTS

Adjustments at (A) and (B) must be made after tractor is assembled.

BOTH ARE VERY IMPORTANT. Adjustment at (A) controls the tension of the drive belt. Adjustment at (B) controls the amount of slack in drive belt for idling.

### BELT ADJUSTMENTS

#### BELT TENSION

With engine shut off — belt on pulleys for 1st speed and clutch lever (12) in its forward position — adjust adjustment screw (A) to leave a slight flex in the belt when transmission is pulled back by hand.

NOTE: It is very important that screw (A) be adjusted so that it rests on frame extension (1) when tractor is in operation. If this adjustment is not correctly made, it may result in unnecessary belt wear.

#### BELT SLACK FOR IDLING

With clutch lever (12) in its rear position — adjust (B) to obtain sufficient slack for idling. To obtain more slack shorten rod (6) at (B).

### CAUTION:

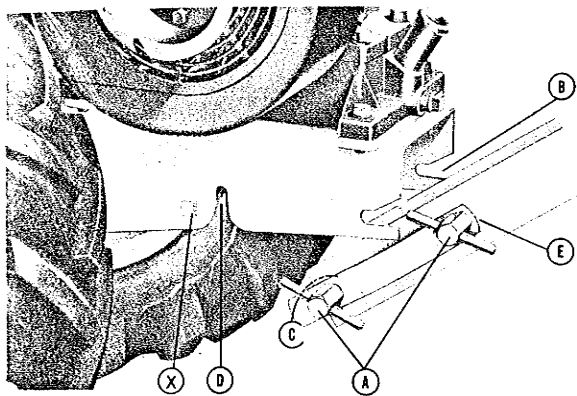
Tractor clutch is **ENGAGED** when clutch lever is **FORWARD**. NOTE: Belt remains tight only when engine is running.

**Under no circumstances should lever action be reversed.**

### LUBRICATION

The tractor, but not the engine (see Engine Instruction Book) is fully greased and ready to use when received. There are three high pressure grease fittings on the tractor: one on the pulley shaft housing, one on the main axle housing, and one on the gear case. Grease the pulley shaft every 5 to 6 hours of use. Grease the main axle every 12 to 15 hours of use. Add a few shots of grease to the gear case every 40 to 50 hours of use. A grease gun is supplied with the tractor. Use a general purpose semi-solid grease.



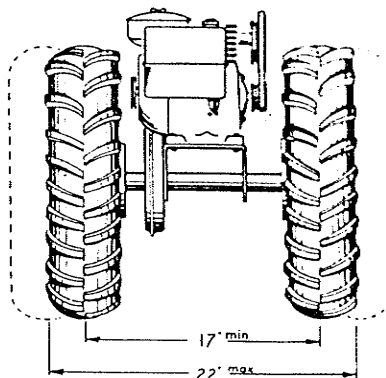


### PATENTED QUICK-HITCH

All front attachments to the tractor use the patented Quick-Hitch shown above.

#### INSTRUCTIONS FOR ATTACHING

After loosening T-nuts (A), push the tractor forward until slots (B) engage at (E) between the sideplates and hitch clamp on the attachment. Push down on the tractor handles until shaft (C) fits in slot (D). Tighten T-nuts (A). To remove attachment, loosen T-nuts (A) sufficiently so side plate can be pulled over catch (X) on side of frame.



### TREAD ADJUSTMENT

Above picture illustrates the position of the minimum and maximum width of the tractor wheels. Tread adjustment may be obtained by sliding the wheels on the axle and then holding the wheels in place with the axle set collars. Use the outside set collar on the pulley side of the axle for holding left wheel in position.

## FIVE SPEED TRANSMISSION — MODEL LA ONLY

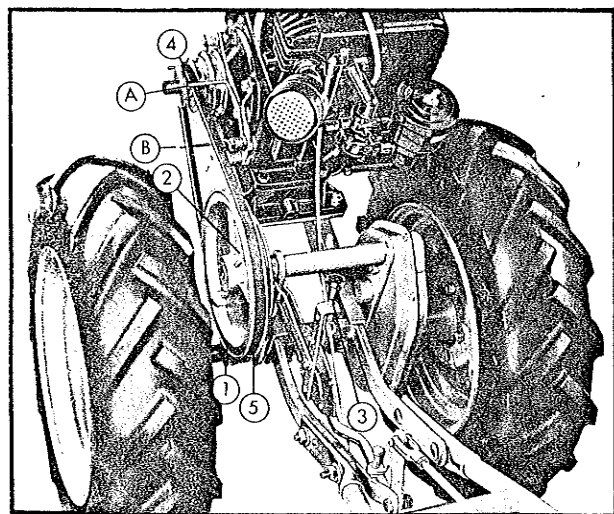


Figure 1

### "LO-LO" SPEED

Recommended for close cultivation and for use with weed cutter and saw in horizontal position. Miles per hour 1.25 to 1.85. To obtain "Lo-Lo" speed see Figure 1. With pulley (1) mounted as shown (small pulley to the inside) raise plunger (2) and slide pulley (1) to the left until plunger drops in the outside spot on pulley shaft.

Move plunger lever (3) to extreme forward position. Mount drive belt in pulley grooves (4) and (5) for "Lo-Lo" speed.

Locate plunger lever (3) in (3rd notch) from front of lever quadrant.

**NOTE: Check to see that groove (5) of pulley (1) lines up with groove (4) of engine pulley.**

Adjust belt stops (A) and (B) to within  $\frac{1}{8}$ -inch of the belt when belt is tight.

### FIRST SPEED

Recommended for heavy work and for slow cultivating and use with sickle bar. Miles per hour — 1.6 to 2.4. To obtain first speed see Figure 2.

With pulley (1) mounted as shown (small pulley to the outside) raise pulley plunger (2), Figure 1, and slide pulley (1) to the left until plunger drops into middle spot on pulley shaft.

Move lever (3) to extreme forward position — Mount drive belt in pulley grooves (4 and 5) for first speed. Locate lever plunger (3) in (2nd notch) from front of lever quadrant.

**NOTE: Check to see that groove (5) of pulley (1) lines up with groove (4) of engine pulley.**

Adjust belt stops (A) and (B) to within  $\frac{1}{8}$ -inch of the drive belt when belt is tight.

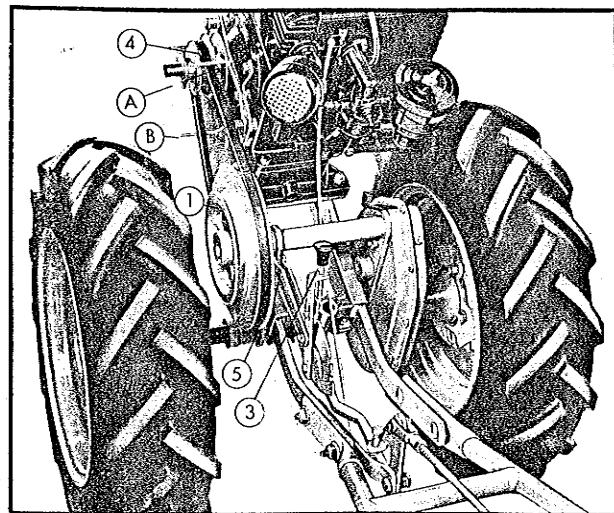


Figure 2

## SECOND SPEED

Recommended for average work and for lawn mowing. Miles per hour — 1.98 to 2.92. To obtain second speed see Figure 3.

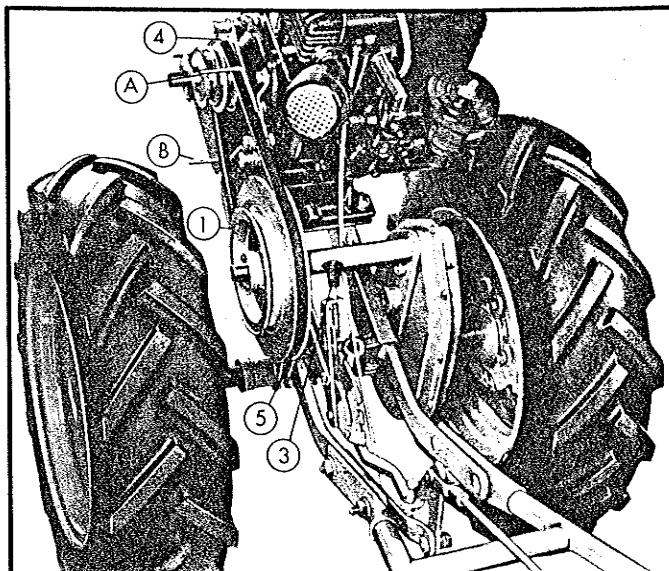
With pulley (1) mounted as shown (small pulley to the outside) raise pulley plunger (2), Figure 1, and slide pulley (1) to the right until plunger drops into the inside spot on pulley shaft.

Move lever (3) to extreme forward position — Mount drive belt in pulley grooves (4 and 5) for second speed. ➡

Locate lever plunger (3) in (1st notch) from front of lever quadrant.

**NOTE: Check to see that groove (5) of pulley (1) lines up with groove (4) of engine pulley.**

Adjust belt stops (A) and (B) to within  $\frac{1}{8}$ -inch of the belt when belt is tight.



## THIRD SPEED

Recommended for light loads and comparatively high speeds, especially when riding attachment is used. Miles per hour — 2.42 to 3.62. To obtain third speed see Figure 4.

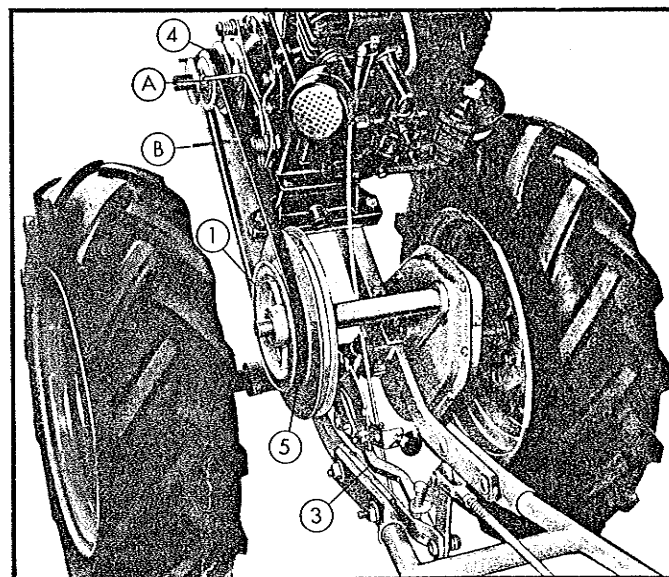
With pulley (1) mounted as shown (small pulley to the outside) raise plunger (2), Figure 1, and slide pulley (1) to the right until plunger drops into the inside spot on the pulley shaft.

Move lever (3) to extreme forward position — Mount drive belt in pulley grooves (4 and 5) for third speed. ➡

Locate lever plunger (3) in (5th notch) from front of lever quadrant.

**NOTE: Check to see that groove (5) of pulley (1) lines up with groove (4) of engine pulley.**

Adjust belt stops (A) and (B) to within  $\frac{1}{8}$ -inch of the belt when belt is tight.



## FOURTH SPEED

Recommended for long transports and for long hauls when using dump cart. Miles per hour — 2.96 to 4.45. To obtain fourth speed (high) see Figure 5.

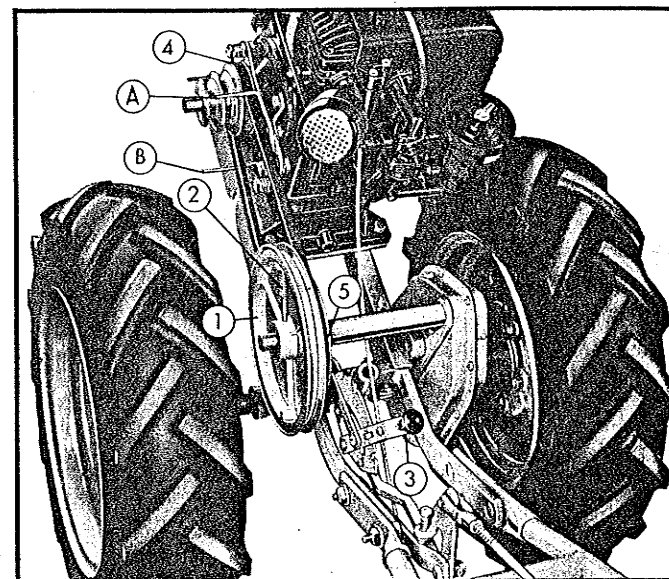
With pulley (1) mounted as shown (small pulley to the inside) raise plunger (2) and slide pulley (1) to the left until plunger drops into the middle spot on pulley shaft.

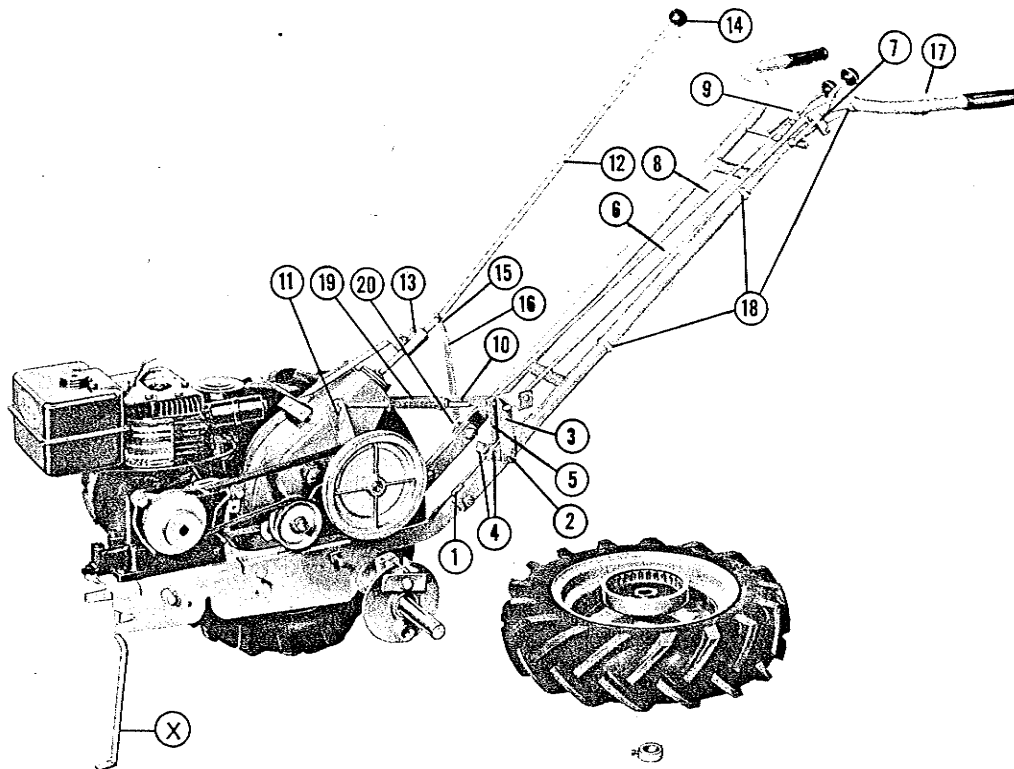
Move lever (3) to extreme forward position — Mount drive belt in pulley grooves (4 and 5) for fourth speed. ➡

Locate lever plunger (3) in (4th notch) from front of lever quadrant.

**NOTE: Check to see that groove (5) of pulley (1) lines up with groove (4) of engine pulley.**

Adjust belt stops (A) and (B) to within  $\frac{1}{8}$ -inch of the belt when belt is tight.





## MODEL FA 2 1/2 H. P. TRACTOR

### PACKING LIST

The complete tractor is shipped in a crate. Handles, clutch levers, rods, and gear shift handle extension are shipped separately in a carton.

The Model FA tractor is equipped with a convenient kick stand (X). This stand enables the tractor to be kept level when implements are not attached.

### INSTRUCTIONS FOR ASSEMBLING

1. Before bolting handles to frame, insert throttle cable through cable housing clamp as shown at (1).

2. Bolt handles to outside of tractor frame as shown. Handle bolts are shipped inserted in the frame.

NOTE: When bolting handles to the frame, be sure that the bushings, washers, levers, and lever stops are re-assembled in the same sequence as packed.

3. When inserting upper left hand handle bolt (2), assemble lower clutch lever (3), lever stops (4), and lower clutch pivot lever (5) as shown.

4. Attach upper clutch rod (6) to lower clutch lever (3) and left hand clutch lever assembly (7).

5. Attach upper idler clutch rod (8) to right hand clutch lever assembly (9). Then to lower clutch pivot lever (5) and lower idler clutch rod (10) as shown.

6. Connect lower idler clutch rod (10) to idler lever assembly (11).

7. Lower clutch lever (3) should rest on lever stop (4) when left hand clutch lever assembly (7) is forward.

8. Lower clutch pivot lever (5) should rest on lever stop (4) when right hand clutch lever (9) is forward and idler lever assembly (11) is in idling position.

9. Thread one end of spring (16) into lower spring holder (20) as shown. Place upper spring holder (15) over end of gear shift handle extension (12) and slip handle extension into coupling (13). Be sure counter-

sunk hole in end of handle extension lines up with set screw, and tighten securely.

10. Thread other end of spring (16) into upper spring holder (15) and position spring holder on handle extension as shown, approximately 3 inches from coupling.

11. Attach throttle control lever (17) to the left hand handle with throttle cable strung underneath. Screws and clamps for cable and throttle lever are in a mailing bag tied to throttle cable. Clamp throttle cable to the handle with three clips (18) as shown.

### ADJUSTMENTS

Adjustment of the trip finger holder (part number FA-55S) may be required occasionally to compensate for wear. Tighten the headless screw in the cast iron trip finger holder all the way down, then back off one-half turn. When adjusting the trip finger holder, check to see that the screw holding the ratchet cage is tight, and the cage firmly secured to the axle. These simple adjustments, properly made, will afford full, free wheeling of the tractor. Frequently grease the inside of the hub, washer and axle so that these parts are always well lubricated.

### SELECTIVE GEAR TRANSMISSION

**BE SURE RIGHT HAND CLUTCH LEVER IS IN ITS FORWARD POSITION BEFORE SELECTING DESIRED SPEED.**

To change speeds, disengage clutch by pushing forward on right hand clutch lever (9). Lift up on gear shift handle extension (12) and select speed desired as indicated by pointer.

A slight downward movement of the gear shift handle extension will engage the gears. Engage clutch by pulling back on right hand clutch lever (9).

### SPEED RANGE

Figures 1 and 2 illustrate the position of the tractor drive belt and transmission pulley in the two speed ranges.

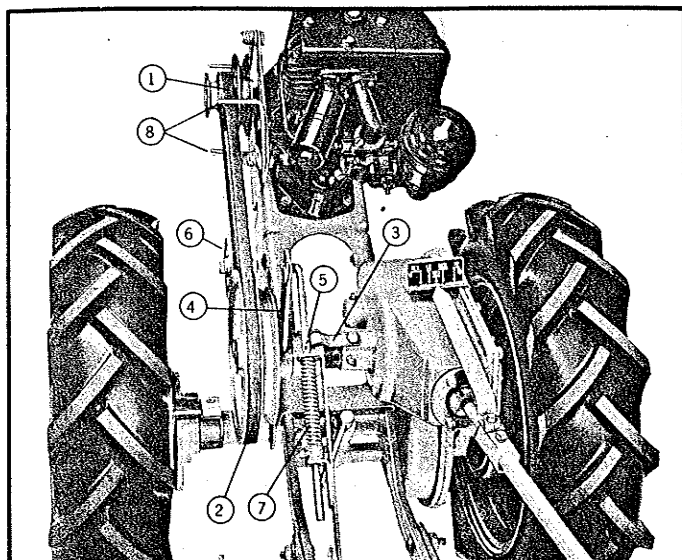


Figure 1

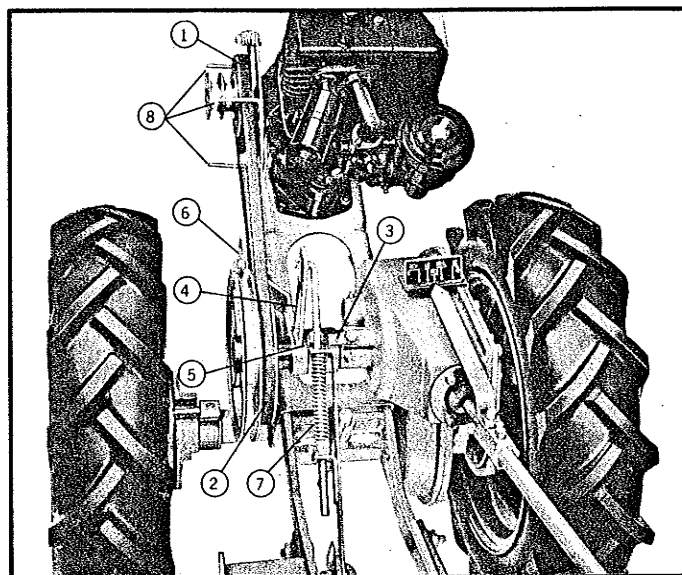


Figure 2

Figure 1 indicates the low range and Figure 2 the high range.

#### (LOW RANGE — SEE FIGURE 1)

Place drive belt over center groove of engine pulley (1) and large or outside groove (2) of transmission pulley as shown. Raise idler lever latch (3) and slide idler lever assembly (4) towards the transmission pulley so that latch (3) will ride in groove (5). Belt should ride on top of idler pulley (6).

Adjust belt tension on spring (7) with set collar so that spring is compressed approximately  $\frac{5}{8}$ " when right hand clutch lever (9 — refer to photo on page 4) is pulled back over center. To avoid damaging belt, use minimum tension required to drive the tractor. To avoid creeping and to afford proper declutching of tractor, belt stops should be adjusted to  $\frac{1}{8}$ " of the belt when the belt is tight.

Miles per hour in low range

Low .....	.78 to 1.38
Medium .....	1.02 to 1.86
High .....	1.56 to 2.82

#### (HIGH RANGE — SEE FIGURE 2)

Place drive belt on large or inside groove (1) of engine pulley and small or inside groove (2) of transmission pulley as shown. Raise idler lever latch (3) and slide idler lever assembly (4) towards the transmission case so that latch (3) will ride in groove (5). Belt should ride on top of idler pulley (6).

Adjust belt tension on spring (7) with set collar so that spring is compressed approximately  $\frac{5}{8}$ " when right hand clutch lever (9 — refer to photo on page 4) is pulled back over center. To avoid damaging belt, use minimum tension required to drive the tractor. To avoid creeping and to afford proper declutching of tractor, belt stops should be adjusted to  $\frac{1}{8}$ " of the belt when the belt is tight.

Miles per hour in high range

Low .....	1.74 to 3.12
Medium .....	2.28 to 4.14
High .....	3.48 to 6.3

#### LUBRICATION

The tractor but not the engine (see *Engine Instruction Book*) is fully lubricated and ready for use when received.

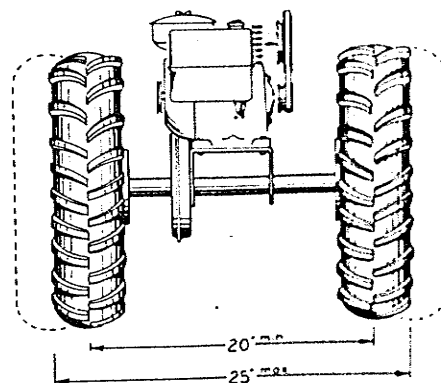
There are four high pressure grease fittings on the tractor, one grease fitting on the idler pulley, one on the main axle housing, one on the gear case and one on the pulley shaft housing.

There are also 3 alemite slotted grease fittings on the gear case lubricated in the same manner as the high pressure fittings. These slotted grease fittings provide for the release of excessive grease pressure.

Grease the idler pulley every 4 to 6 hours of use. Grease the main axle housing every 12 to 15 hours of use. The gear case housing will require a few shots of grease every 40 to 50 hours of use. Lubricate the pulley shaft housing every 5 to 6 hours of operation. Use a general purpose semi-solid grease in the grease gun supplied with the tractor.

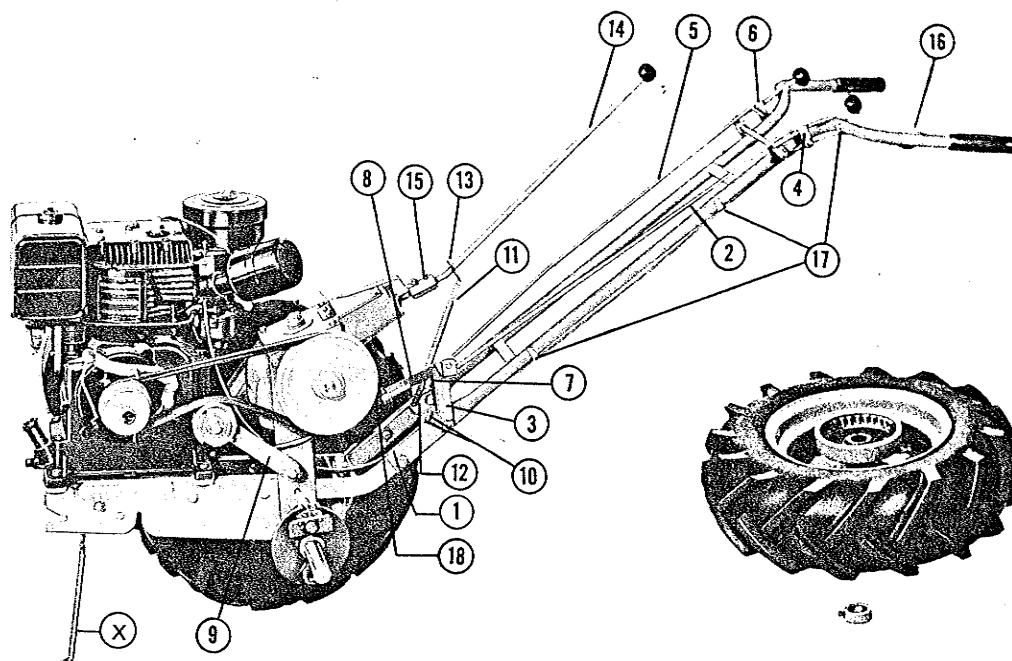
#### TIRE PRESSURE

For shipping purposes, tractor tires are inflated to approximately 38 pounds. When tractor is assembled and ready for use, deflate tires to 8 to 10 pounds of pressure.



#### TREAD ADJUSTMENT

Above picture illustrates the position of the minimum and maximum width of the tractor wheels. To obtain maximum position, remove the three hub bolts and wheel from the hub, and place on opposite side of the tractor. (Tire is lug type and proper setting of the tire lug is necessary for cleaning. Be sure tires are mounted as shown in illustration.) This maximum position must be used when plowing.



## MODEL VA 5 H. P. TRACTOR

### PACKING LIST

The complete tractor is shipped in a crate. Handles, rods, clutch levers and gear shift handle extension are shipped separately in a carton.

The Model VA tractor is equipped with a convenient kick stand (X). This stand enables the tractor to be kept level when implements are not attached.

### INSTRUCTIONS FOR ASSEMBLING

1. Before bolting handles to frame, insert throttle cable through cable housing clamp as shown at (1).

2. Bolt handles to outside of tractor frame as shown. Handle bolts are shipped inserted in the frame.

NOTE: When bolting handles to the frame, be sure that the bushings, washers, levers and lever stops are re-assembled in the same sequence as packed.

3. Attach upper idler rod (2) to lower clutch lever (3) and left hand clutch lever assembly (4) as shown.

4. Attach upper idler clutch rod (5) to right hand clutch lever assembly (6) and then to lower clutch pivot lever (7) and lower idler clutch rod (8) as shown.

5. Connect lower idler clutch rod (8) to idler lever assembly (9) as shown.

6. Lower clutch lever (3) should rest on lever stop (10) when left hand clutch lever assembly (4) is forward.

7. Lower clutch pivot lever (7) should rest on lever stop (10) when right hand clutch lever (6) is forward.

8. Thread one end of spring (11) into lower spring holder (12) as shown. Place upper spring holder (13) over end of gear shift handle extension (14) and slip handle extension into coupling (15). Be sure counter-sunk hole in end of handle extension lines up with set screw, and tighten securely.

9. Thread other end of spring (11) into upper spring holder (13) and position spring holder on handle extension as shown, approximately 3 inches from coupling.

10. Attach throttle control lever (16) to the left hand handle with throttle cable strung underneath. Screws and clamps for cable and throttle lever are in a mailing bag tied to throttle cable.

11. Clamp throttle cable to the handle with three clips (17) as shown.

### TIRE PRESSURE

For shipping purposes, tractor tires are inflated to approximately 38 pounds. When tractor is assembled and ready for use, deflate tires to 8 to 10 pounds of pressure.

### ADJUSTMENTS

Adjust belt tension on spring (18) with set collar so that spring is compressed approximately  $\frac{5}{8}$  inch when right hand clutch lever (6) is pulled back over center. To



avoid damaging belt use minimum tension required to drive the tractor. To avoid creeping and to afford proper declutching of tractor, belt stops should be adjusted to  $\frac{1}{8}$  inch of the belt when the belt is tight.

### SELECTIVE GEAR TRANSMISSION

The Model VA 5 H.P. tractor is equipped with a positive Selective Gear Transmission — 3 forward speeds, Low, Medium and High, and Reverse.

Miles per hour in forward speeds are:

Low .....	.89 to 1.78
Medium .....	1.24 to 2.47
High .....	1.78 to 3.56

**BE SURE RIGHT HAND CLUTCH LEVER IS IN ITS FORWARD POSITION BEFORE SELECTING DESIRED SPEED.**

To change speeds, disengage clutch by pushing forward on right hand clutch lever (6). Lift up on gear shift handle extension (14) and select speed desired as indicated by pointer.

A slight downward movement of the gear shift handle extension will engage the gears. Engage clutch by pulling back on right hand clutch lever (6).

Adjustment of the trip finger holder (part number GA114S) may be required occasionally to compensate for wear. Tighten the headless screw in the cast iron trip finger holder all the way down, then back off one-half turn. When adjusting the trip finger holder, check to see that the screw holding the ratchet cage is tight, and the cage firmly secured to the axle. These simple adjustments, properly made, will afford full, free wheeling of the tractor.

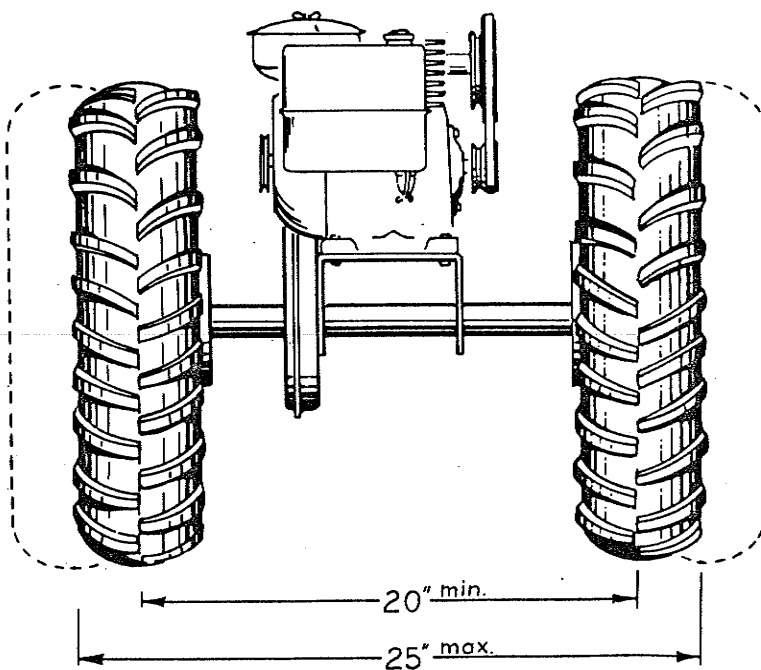
Frequently grease the inside of the hub, washer and axle so that these parts are always well lubricated.

### LUBRICATION

The tractor but not the engine (See *Engine Instruction Book*) is fully lubricated and ready for use when received. **CAUTION:** Check transmission oil level at plug provided. Loss of oil might occur due to improper handling in shipping. If additional oil is needed, add SAE 90 oil to proper level. Excessive amount of oil may cause damage to oil seals. There are three high pressure grease fittings and three oil plugs on the tractor: one grease fitting on the idler pulley, one on the main axle housing, and one on the gear case. Grease the idler pulley every 4 to 6 hours of use. Grease the main axle

housing every 12 to 15 hours of use and add a few shots of grease to the gear case every 40 to 50 hours of use. Use a general purpose semi-solid grease in the grease gun supplied with the tractor.

The three oil plugs are located on the transmission gear case and cover. The filler plug on the transmission case cover, the oil level plug on the rear of the transmission case and the drain plug on the bottom of the transmission case. To fill transmission remove filler and oil level plugs and pour oil in filler plug opening until it rises to the oil level plug opening (be sure tractor is standing level). Replace plugs and tighten securely. Add fresh oil regularly as required. Use S.A.E. No. 90 oil all year round.



### TREAD ADJUSTMENT

Above picture illustrates the position of the minimum and maximum width of the tractor wheels. To obtain maximum position, remove the five hub bolts and wheel from the hub, and place on the opposite side of the tractor. (Tire is lug type and proper setting of the tire lug is necessary for cleaning. Be sure tires are mounted as shown in illustration.) This maximum position must be used when plowing.

# How to Order Repair Parts for Simplicity Garden Tractors and Attachments

The Authorized Simplicity dealer from whom you purchased your tractor and attachments can supply you with any replacement parts you may need. For prompt service, be sure to see your dealer first. He will furnish the correct parts from his stock or order them for you if necessary. However, you may mail-order directly from the factory.

To have your order filled correctly and for prompt ser-

We reserve the right to change construction, specifications, prices and terms, without notice and without obligation as to tractors and attachments heretofore shipped.

PRICES SHOWN ARE U.S.A. PRICES. PRICES OUTSIDE OF U.S.A. SUBJECT TO LOCAL IMPORT DUTIES, TAXES, ETC.

## REPAIR PARTS MODEL "LA" TRACTOR

Order by Part Number

Item No.	Part No.	Name of Part	Ship. Lbs.	Wt. Oz.	Price Each
1	D-A14	Belt Stop <i>8C21014</i>		3	\$.15
2	S2-A47	Spring - <i>8191047</i>		2	.20
3	D-A48A	Belt Stop Holder - <i>8121048</i>		10	.45
4	S3-A42	Engine Pulley Key - <i>8221042</i>		2	.20
5	D-A123	Engine Pulley <i>8C21123</i>	6	10	6.10
6	S1-A83	Belt 43" O. CIR. V-Type <i>8161083</i>	1	8	1.68
7	D-A121	Lever Stop - <i>8C21121</i>		4	.25
8	S1-A215	Bushing <i>8161215</i>		4	.15
9	D-A91	Lower Clutch Lever <i>8C21091</i>	1		.70
10	D-A122	Upper Idler Rod <i>8C21122</i>	1		.75
11	S2-A45	Spring <i>8191045</i>		3	.20
12	S1-AX18	Rod Socket Assembly <i>8161518</i>		6	.85
13	S2-A22A	Set Collar <i>8191022</i>		3	.50
14	G-A90	Lower Idler Rod <i>8C61090</i>	1		.90
15	S1-A45A	Spring Clip <i>8161045</i>		2	.20
16	D-A118	Lever Shaft <i>8C21118</i>		5	.25
17	D-A76A	Rubber Grip <i>8C21076</i>		8	.50
18	D-A50	Clutch Lever Ball <i>8C21050</i>		8	.45
19	G-A87	Throttle Control Lever Assembly <i>8C61087</i>		8	.80
20	D-AX7	R. Clutch Lever Assembly <i>8C21507</i>	2	4	1.90
21	F-AX6	L. Clutch Lever Assembly <i>8C21506</i>	2	4	1.90
22	D-A95	Throttle Cable <i>8C21095</i>	1	4	1.20
23	G-A108	Cable Clip <i>8C61108</i>		4	.10
24	D-A96	Throttle Wire <i>152016</i>		8	.30
25	D-B34	Clutch Rod <i>8C22034</i>	1		.75
26	S3-A104	Rod End <i>8221104</i>		8	.40
27	D-A51	Plunger Knob <i>8C21051</i>		4	.20
28	D-A11	Transmission Pulley and Plunger Spring <i>8C21041</i>		4	.10
29	D-A41	Plunger <i>8C21041</i>		4	.40
30	D-A114	Lower Clutch Lever <i>8C21114</i>	1	3	.65
31	D-AX6A	Shift Lever Assembly <i>8C21506</i>	1		.80
32	D-A110	Frame Extension <i>8C21110</i>		10	.45
33	D-A109	Shaft Guide <i>8C21109</i>		3	.30
34	D-BX11	Throw-Out Assembly <i>8C222511</i>	1	12	1.70
35	D-A112	Throw-Out Link <i>8C21112</i>		2	.20
36	D-A113	Tapped Throw-Out Link <i>8C21013</i>		2	.30
37	D-A78	Key for Ratchet Cage - <i>8C21078</i>		3	.30
38	D-A63	Ratchet Cage - <i>8C21063</i>	2		2.20
39	150003	Ratchet Spring		2	.05

vice, please furnish the following information:

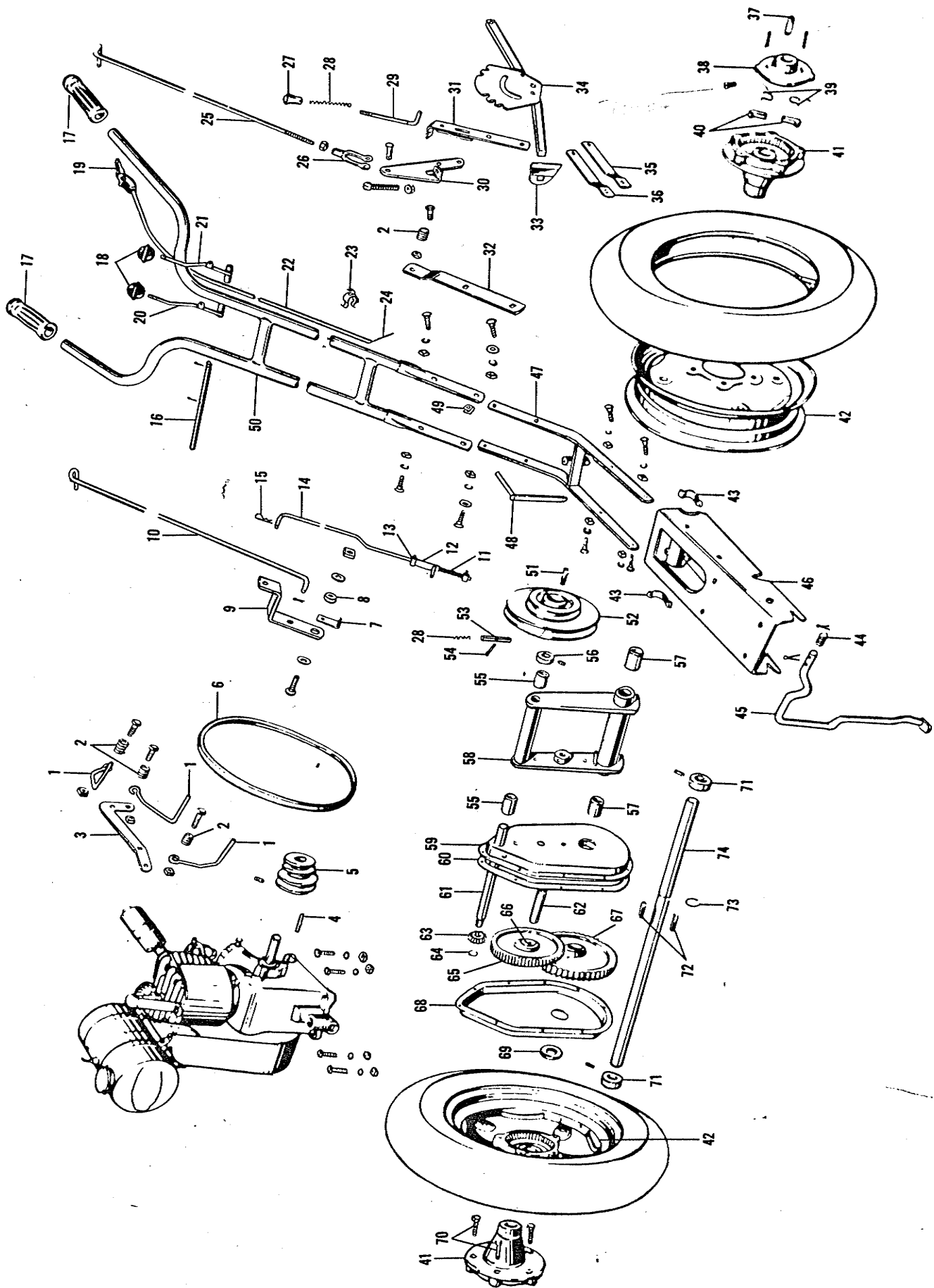
1. Model, number and year of purchase of tractor or attachment.

2. Part number, description, and quantity of part. (See parts list)

Be sure to include postage with your order. We do not pay transportation charges. Shipping weights are shown. Any excess will be promptly refunded.

Item No.	Part No.	Name of Part	Ship. Lbs.	Wt. Oz.	Price Each
40	D-A61	Ratchet Dog <i>8C21061</i>		4	\$.25
41	D-B21	Wheel Hub <i>8C22021</i>	7	8	5.30
42	SS-B23B	Drive Wheel 4" Rim <i>8262024</i>	12	8	7.10
43	D-A103	Bearing Clamp <i>8C21103</i>		4	.30
44	152006	Stand Spring		6	.10
45	J52011	Stand Assembly	2	6	1.60
46	150004	Base Assembly	12		12.30
47	D-CX9A	Frame Assembly - <i>8C23509</i>	11	6	8.30
48	G-AX2	Hitch Pin Assembly - <i>8C61502</i>	1	3	.80
49	G-A117	Throttle Wire Housing Clamp - <i>8C61117</i>	6		.08
50	D-CX11A	Handle Assembly <i>8C23511</i>	17		9.60
51	D-A105	Transmission Pulley Key - <i>8C21105</i>		3	.25
52	D-BX4B	Transmission Pulley - <i>8C22504</i>	4	6	6.20
53	D-A75A	Transmission Pulley Pin - <i>8C21075</i>		6	.30
54	150001	Transmission Pulley Spring Pin		3	.05
55	S2-A44B	Bushing for Pulley Shaft, 1/4 x 1/4 x 1 1/2" <i>8191041</i>		4	.40
56	D-A104	Set Collar (Pulley Shaft) - <i>8C21104</i>		8	.40
57	S2-A43	Bushing for Trans. Shaft, 1 x 1 1/4 x 2" <i>8191043</i>		4	.55
58	D-CX12	Bearing Housing Assembly <i>8C23512</i>	4		13.20
59	D-C1	Gear Case - <i>8C23001</i>	1	4	2.60
60	D-B8	Gear Case Gasket - <i>8C22008</i>		5	.30
61	D-B30	Pulley Shaft - <i>8C22030</i>	1	8	4.10
62	D-A106	Intermediate Spindle - <i>8C21106</i>		8	.90
63	D-A66	Reduction Pinion <i>8C21066</i>		4	1.95
64	D-A35	Retaining Ring for Pulley Shaft <i>8C21035</i>	2		.10
65	D-AX3	Cluster Gear Assembly <i>8C21503</i>	2	10	9.40
66	D-A32	Intermediate Bushing, 3/8 x 3/4 x 1-7/16" <i>8C21032</i>		2	.55
67	SS-B2A	Drive Gear - <i>8262002</i>	3	4	5.90
68	D-C2	Gear Case Cover - <i>8C23002</i>	1	4	2.45
69	D-A31	Grommet #931-16-20 - <i>8C21031</i>		3	.20
70	SS-A100	Hub Bolts, 7/16-20 x 1 1/4" - <i>8261100</i>		3	.20
71	D-A28	Set Collar (Axle) - <i>8C21028</i>		8	.70
72	D-A68	Axle Key, 1/4 x 1/4 x 1 1/4" - <i>8C21068</i>		6	.20
73	SS-A32	Retaining Ring for Axle - <i>8261032</i>		2	.20
74	D-B16	Axle - <i>8C22016</i>	7		7.40
		Tool Kit only		4	2.60
		Grease Gun		2	1.30
		Allen Wrench (Set Screw)		4	.20
		Grease Fitting #1641 Alemite		1	.10

NOTE: Order Engine Parts From Engine Manufacturer.

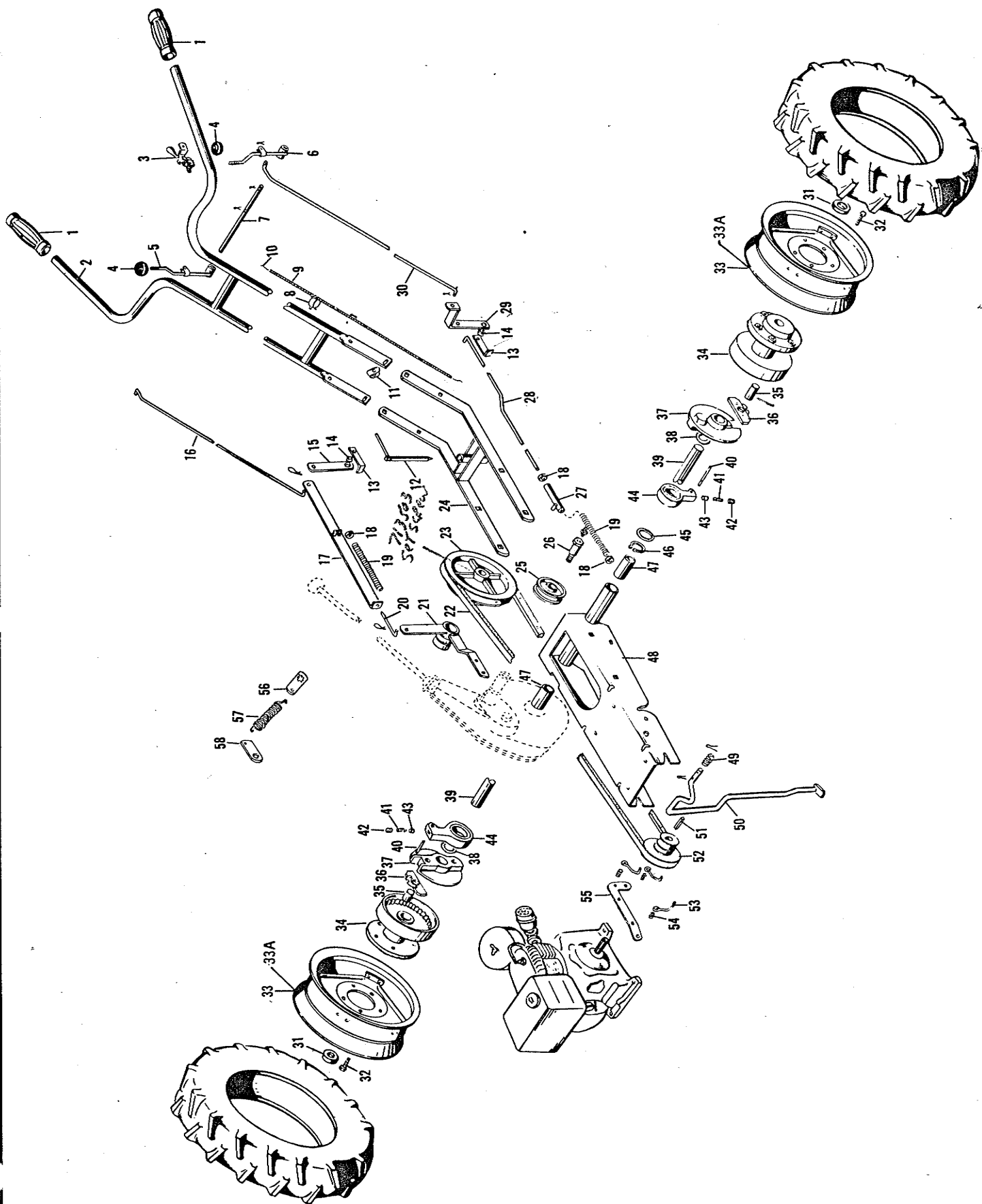


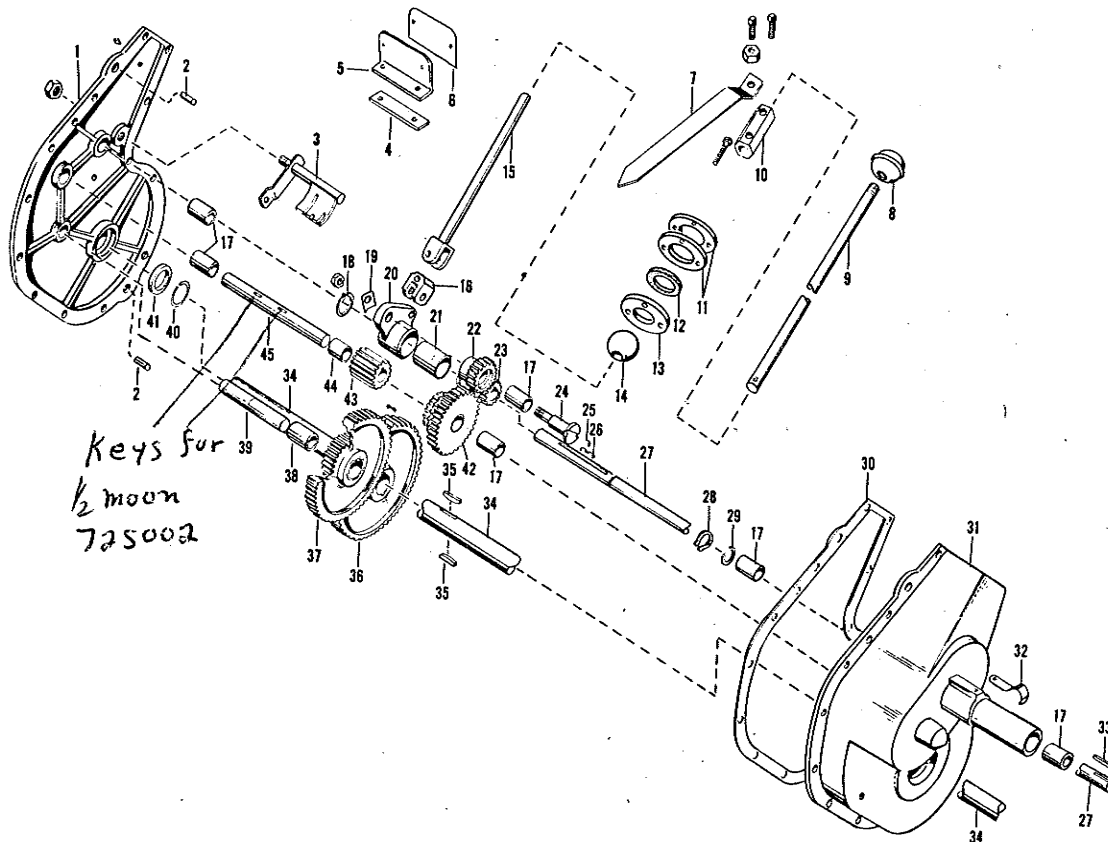
# 2 1/2 H.P. MODEL "FA" TRACTOR PARTS LIST - 37 <sup>18</sup>/<sub>40</sub>

Order by Part Number - 20

Item No.	Part No.	Name of Part	Ship. Wt.		Price Each
			Lbs.	Oz.	
1	D-A76A	Handle Grip 8021076		8	\$ .50
2	<del>D-CX11A</del>	Handle Assembly <del>802354</del> Use 8063502(-65)	15		9.60
3	G-A87	Throttle Control Lever Assembly 8061087		8	.80
4	D-A50	Clutch Lever Ball 8021050		8	.45
5	D-AX7	R. H. Clutch Lever Assembly 8021507	1	12	1.60
6	F-AX6 ✓	L. H. Clutch Lever Assembly 8051506	1	12	1.60
7	D-A118	Lever Shaft - 8021118		8	.48
8	G-A108	Cable Clip - 8061108		4	.10
9	D-A95	Throttle Wire Housing - 8021095	1	4	1.20
10	D-A96	Throttle Control Wire - 8021096		8	.30
11	G-A117	Throttle Wire Housing Clamp - 8061117		6	.08
12	G-AX2	Hitch Pin Assembly 8061502	1	3	.80
13	D-A121	Lever Stop 8021121		4	.25
14	S1-A215	Bushing - 8161215		4	.15
15	F-A30	Lower Clutch Pivot Lever - 8051030		6	.45
16	F-A14	Upper Idler Clutch Rod - 8051014	1		.95
17	G-SAX3	Idler Clutch Rod Guide Assembly - 8081503		14	1.22
18	S2-A22A	Idler Rod Set Collar 8191022		3	.50
19	S2-A45	Spring Idler Rod 8191045		3	.20
20	F-A43	Lower Idler Clutch Rod 8051043		10	.55
21	F-BX3	Idler Lever Assembly 8052503	2	6	3.45
22	S1-A83	43" "V"-Belt - 8161083	1	8	1.68
23	F-B2	Transmission Pulley - 8052002	1	8	6.35
24	D-CX9A	Frame Assembly - 8023529	11	6	8.30
25	F-AX5	Idler Pulley Assembly - 8051505		12	1.00
26	F-A37	Idler Pulley Pin - 8051037		10	1.80
27	S1-AX18	Rod Socket Assembly - 8161518		6	.85
28	G-A90	Lower Idler Rod - 8061090	1	2	.90
29	D-A91	Lower Clutch Lever - 8021091	1		.70
30	D-A122	Upper Idler Rod - 8021122	1		.75
31	SS-A12	Set Collar - 8261012		7	.60
32	SS-A100	Hub Bolts - 8261100		3	.20
33	SS-B23B	Drive Wheels - (5-12 Tires) - 8262024	12	8	7.10
33A	SS-B23C	Drive Wheels - (6-12 Tires) 8262023	13		7.80
34	F-B1	Wheel Hub - 8052001	10		9.65
35	G-A37	Ratchet Pawl Pin - 8061037		6	.44
36	152009	Ratchet Pawl Assembly -		14	1.40
37	F-A2	Ratchet Cage - 8051002	3	10	4.35
38	SS-CA14 - 8181014	Washer - 8281014	4		.15
39	F-B4 - 8052004	Axle - Key for Ratchet cage FA2 725004	8	10	4.80
40	F-A51	Ratchet Pawl Trip Finger - 8051051		4	.12
41	F-A52	Trip Finger Holder Spring - 8051052		4	.12
42		7/16-14 x 1/2" Headless Screw		1	.10
43	F-A62	Trip Finger Holder Plug - 8051062		4	.08
44	F-A55S - 8051055	Holder with Bearing Assembled Btg Only FA54			2.20
45	F-A21	Axle Housing Spacer - 8051021		4	.18
46	F-A41	Retaining Ring - 8051041		4	.15
47	F-A42	Axle Bearing - 8051042		10	.60
48	151004	Base Assembly -	19	2	17.80
49	152006	Stand Spring		6	.10
50	152011	Stand Assembly	2	6	1.60
51	S3-A42	Key for Engine Pulley - 8221042		2	.20
52	F-A1	Engine Pulley - 8051001	7	8	5.78
53	D-A14	Belt Stop - 8021014		3	.15
54	S-2A47	Spring - 8191047		2	.20
55	D-A48A	Belt Stop Holder - 8021048		10	.45
56	R-A35	Spring Holder, Lower - 8151035		4	.50
57	P-A47	Spring - 8111047		3	.20
58	R-A36	Spring Holder, Upper - 8151036		4	.50
		#1641 Grease Fitting - Alemite - 727002		1	.10
		#1911 Grease Fitting - Alemite - 727004		2	.15
		Grease Gun	2		1.30
		Allen Wrench 5/32" - Short		4	.20
		Tool Kit only	4		2.60





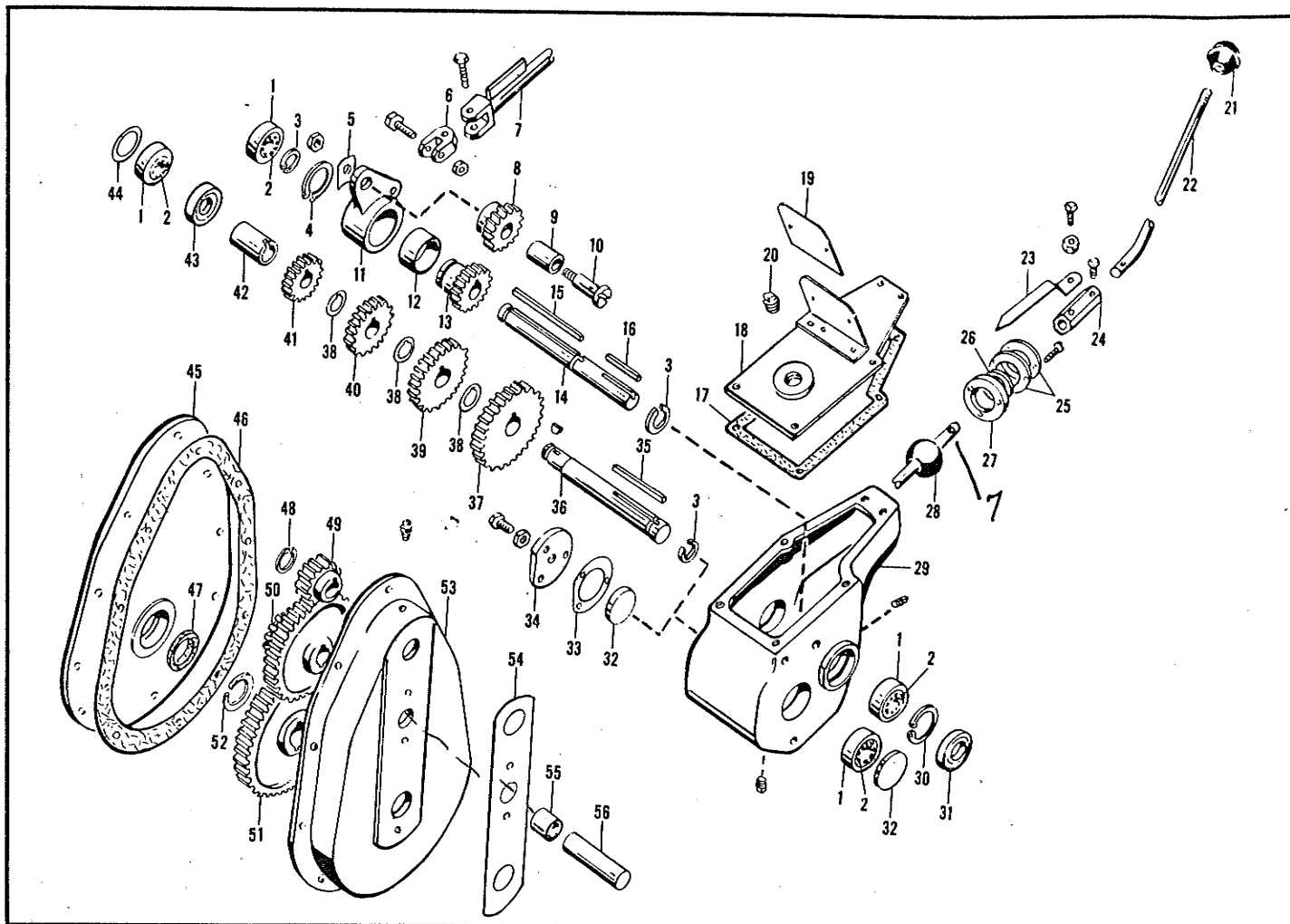


## 2 1/2 H.P. MODEL "FA" TRACTOR — TRANSMISSION PARTS LIST - 50

Order by Part Number

Item No.	Part No.	Name of Part	Ship. Wt.		Price Each
			Lbs.	Oz.	
1	151003	Gear Case Cover	15		\$15.90
2	F-A53	Dowel Pin 8051053		3	.20
3	151002	Shift Guide Assembly	1	4	1.40
4	F-A29	Shift Inst. Plate Bracket Holder 8051029			.45
5	151006	Shift Inst. Plate Bracket	10		.15
6	151007	Serial and Shift Instr. Plate	6		.40
7	F-A28	Shifter Pointer - 8051028	6		.45
8	G-A65	Shift Lever Ball - 8061065	8		.45
9	F-A13	Gear Shift Handle Ext. - 8051013	2		1.15
10	G-A30	Gear Shift Handle Coupling - 8061030	10		.75
11	F-A59	Shift Ball Spacer - 8051059	7		.25
12	F-A60	Shift Ball Washer 8051060	4		.10
13	F-A47	Gear Shift Ball Retainer - 8051047	10		1.05
14	F-A44	Gear Shift Ball - 8051044	10		.15
15	F-AX4	Pitman Clevis Assembly 8051504	6		1.40
16	G-A26	Gear Shift Pitman - 8061026	6		2.00
17	F-A38	Bronze Bearing 8051038	5		.20
18	F-A40	Retaining Ring - 8061114 8051040			.10
19	G-A119	Lock Plate 8061119	3		.05
20	F-AX2	Rocker Arm Assembly - 8051502	6		6.55
21	F-A33	Rocker Arm Bearing - 8051033	8		.50
22	F-A4	Rocker Arm Pinion with Bearing 8051004			3.45
23	F-A5	Trans. Slide Gear 8051005	1	12	6.05
24	G-A5	Rocker Arm Pinion Pin 8061005	10		1.50

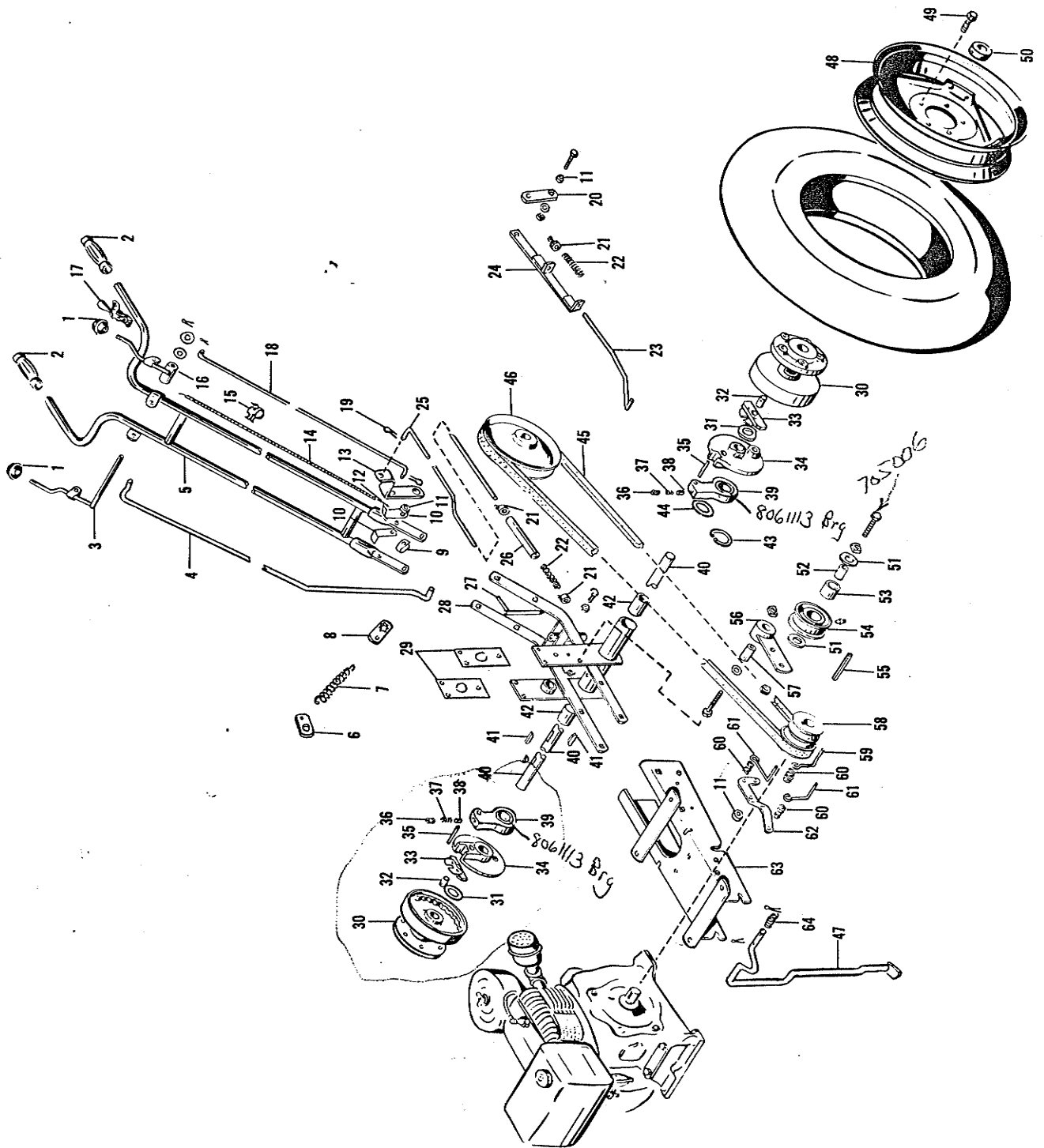
Item No.	Part No.	Name of Part	Ship. Wt.		Price Each
			Lbs.	Oz.	
25	F-A35	Slide Key Lock Plate 8051035	6		\$ .20
26	F-A34	Transmission Slide Key - 8051034	3		.10
27	F-B3A	Transmission Pulley Shaft - 8061003	7		3.65
28	F-A39	Retaining Ring - 8051039	4		.10
29	F-A56	Spacer Washer - 8051056	2		.05
30	F-C1	Gear Case Gasket - 8053601	1		.50
31	151005	Gear Case Have None 7/27/63	22	8	29.90
32	F-A24A	Idler Lever Latch - 8051024	4		.10
33	F-A61	Transm. Pulley Key - 8051061	6		.20
34	F-B4	Axle - 8062004	8	10	4.80
35	D-A68	Axle Key - 8021068	6		.20
36	SS-B2A	Drive Gear - 8262002	3	4	5.90
37	D-AX3	Cluster Gear Assembly - 8021503	10		9.40
38	D-A32	Intermediate Bushing - 8021032			
		5/8 x 3/4 x 1-7/16"	6		.55
39	F-A12	Intermediate Spindle - 8061012	10		.70
40	SS-A32	Retaining Ring - 8261032	2		.20
41	F-A31	Retaining Washer Neoprene Seal 8051031			.08
42	F-AX1	Cluster Gear Assembly 8051501	12		20.70
43	F-A8	High Gear - 8051008	12		2.60
44	F-A18	Trans. Pinion Shaft Spacer 8051018	6		.50
45	F-A10	Trans. Pinion Shaft - 8051010	1		1.70
		#1641 Grease Fitting - Alemite	1		.10
		#1909 Grease Fitting - Alemite	2		.12



## 5 H.P. MODEL "VA" TRACTOR TRANSMISSION PARTS LIST - 46

Order by Part Number

Item No.	Part No.	Name of Part	Ship. Wt.		Price Each
			Lbs.	Oz.	
1	G-A95	#6 Timken Cup 8061045	3		\$ .58
2	G-A94	#4A Timken Cone 8061044	6		1.40
3	G-A49A	Retaining Ring - 8061049	4		.10
4	G-A106	Retaining Ring - 8061106	3		.10
5	G-A119	Lock Plate - 8061119	4		.05
6	G-A26	Gear Shift Pitman - 8061026	6		2.00
7	G-AX1	Pitman Clevis Assembly - 8061501			2.40
8	G-A3	Rocker Arm Pinion with Bearing - 8061003	3.80		
9	F-A38	Bronze Bearing - 8051038	5		.20
10	G-A5	Rocker Arm Pinion Pin - 8061005	6		1.50
11	G-A1	Trans. Rocker Arm with Bearing - 8061001	3.40		
12	G-A2	Rocker Arm Bearing - 8061002	4		.60
13	G-A16A	Transmission Slide Gear - 8061016	15		6.85
14	G-A15	Transmission Pulley Shaft - 8061015	6		1.60
15	G-A82	Transmission Pulley Shaft Key - 8061082			.15
16	G-A81	Transmission Pulley Key - 8061081	3		.10
17	G-B8	Transmission Gear Case Gasket - 8061008	10		
18	152015	Trans. Gear Case Cover & Assy. ..	2	10	2.75
19	152012	Serial and Shift Instruction Plate	6		.40
20	G-A45	Filler Plug - 8061045	10		.25
21	G-A65	Shift Lever Ball 8061065	8		.45
22	G-A29	Gear Shift Handle Extension 8061029	10		.80
23	G-A75	Shifter Pointer - 8061075	4		.25
24	G-A30	Gear Shift Handle Coupling - 8061030			.75
25	F-A59	Shift Ball Spacer - 8061059	7		.25
26	F-A60	Shift Ball Washer - 8051060	4		.10
27	F-A47	Gear Shift Ball Retainer - 8051047	10		1.05
28	F-A44	Gear Shift Ball - 8051044	10		.15
29	G-C1	Transmission Gear Case 8063001	16		\$15.80
30	G-A52	Retaining Ring - 8061052	3		.10
31	G-A53	Oil Seal - 8061053	6		1.05
32	G-A13	Trans. Bearing Take-Up Plate - 8061013			.25
33	G-A18	Trans. Bearing Adj. Plate Gasket - 8061018			.10
34	G-A17	Trans. Bearing Adj. Plate - 8061017	10		.55
35	G-A83A	Trans. Pinion Shaft Key - 8061083	4		.10
36	G-A6	Trans. Pinion Shaft - 8061006	1		1.90
37	G-A10	"Reverse" Gear - 8061010	2	8	7.00
38	G-A12	Trans. Gear Spacer - 8061012	4		.45
39	G-A9	"Low" Gear - 8061009	1	15	6.30
40	G-A8	"Medium" Gear - 8061008	1	8	4.45
41	G-A7	"High" Gear - 8061007	14		2.90
42	G-A11A	Trans. Pinion Shaft Spacer - 8061011	6		.60
43	G-A118	Oil Seal - 8061118	5		.45
44	G-A14	Trans. Bearing Cup Spacer - 8061014	4		.25
45	G-CX3	Gear Case Cover Assembly - 8063003			3.65
46	G-C4	Gear Case Cover Gasket - 8063004	6		.25
47	G-A55	Retaining Washer Felt Seal - 8061055			.10
48	G-A48A	Retaining Ring - 8061048	4		.10
49	G-A20	Reduction Pinion Key 725002 - 8061020			3.50
50	G-BX3	Cluster Gear Sub-Assembly - 8063003			14.40
51	G-B6	Drive Gear - 8062006	13		12.10
52	G-A50A	Retaining Ring - 8061050	5		.15
53	G-C2	Gear Case - 8063002	11		9.65
54	G-B9	Gear Case Gasket - 8062009	4		.10
55	G-A22	Intermed. Pinion Bearing - 8061022	6		.45
56	G-A23	Intermed. Spindle - 8061023	12		.80

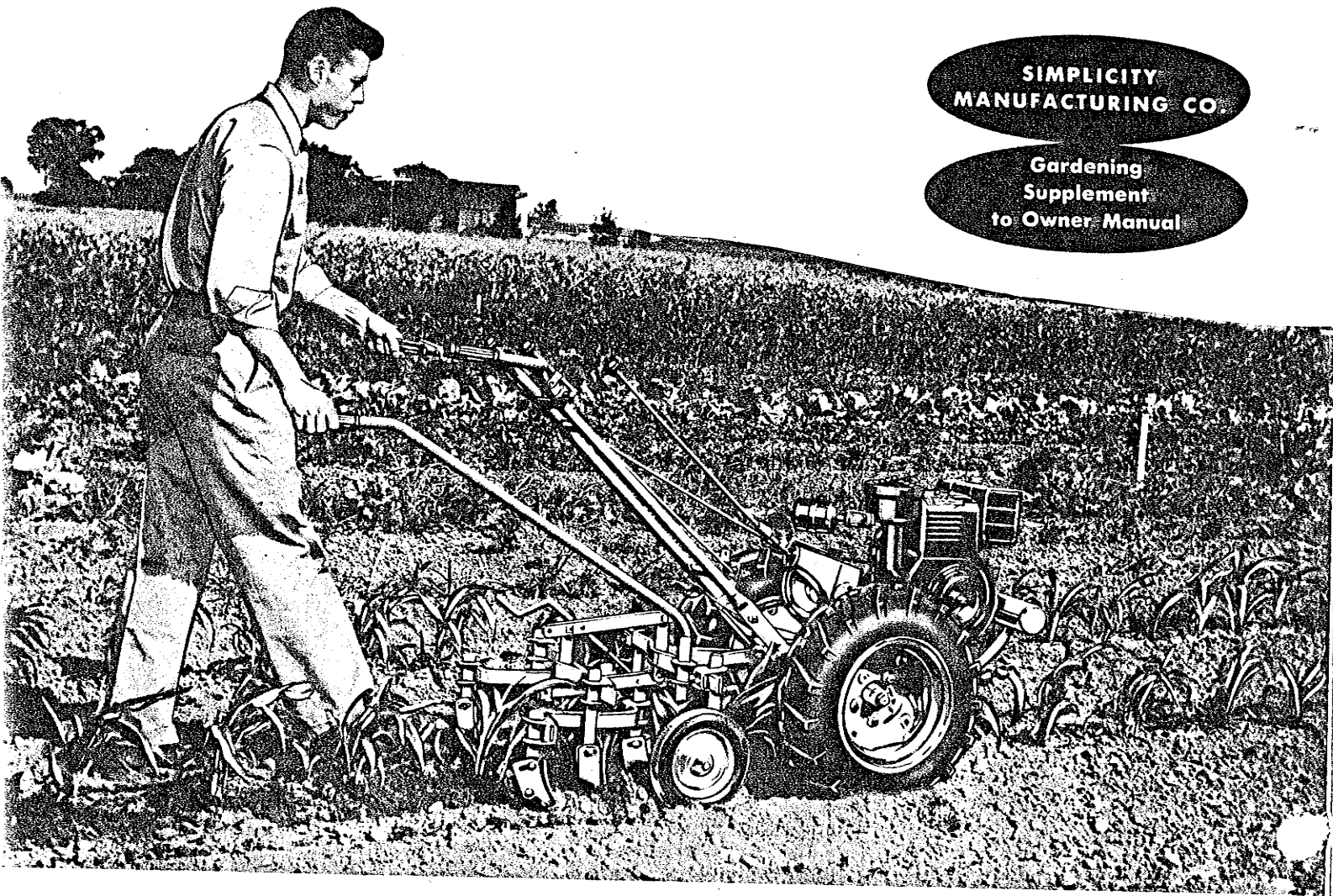




# 5 H.P. MODEL "VA" TRACTOR PARTS LIST - 26

Order by Part Number - 18

Item No.	Part No.	Name of Part	Ship. Wt.		Price Each
			Lbs.	Oz.	
1	D-A50	Clutch Lever Ball 8021050		8	\$ .45
2	D-A76A	Rubber Grip 8021076		8	.50
3	G-AX4	R. H. Clutch Lever Assembly 8061504	1	2	2.13
4	R-B9	Idler Clutch Rod 8152009	1	4	1.35
5	G-CX2A	Handle Assembly 8063502	14		10.20
6	R-A36	Spring Holder — Upper - 8151306		4	.50
7	C-A158	Spring - 8011158	1		.45
8	R-A35	Spring Holder — Lower - 8151035		4	.50
9	GA-117	Throttle Wire Housing Clamp 8061117		6	.08
10	D-A121	Lever Stop - 8021121		4	.25
11	S1-A215	Bushing - 8161215		4	.15
12	D-A96	Throttle Wire - 152016		8	.30
13	D-A91	Lower Clutch Lever - 8021091	1		.70
14	D-A95	Throttle Cable - 8021095	1	4	1.20
15	G-A108	Cable Clip - 8061108		4	.10
16	G-AX5	L. H. Clutch Lever Assembly - 8061505		13	1.48
17	G-A87	Throttle Control Lever Assembly - 8061087		8	.80
18	D-A122	Upper Idler Rod - 8021122	1		.75
19	S1-A45A	Spring Clip - 8161045		2	.20
20	F-A30	Lower Clutch Pivot Lever 8051030		6	.45
21	S2-A22A	Set Collar - 8191022		3	.50
22	S2-A45	Spring 8191045		3	.20
23	R-A69	Lower Idler Clutch Rod 8151069		12	1.05
24	G-SAX3	Idler Clutch Rod Guide Assembly - 8081503		14	1.22
25	G-A90	Lower Idler Rod 8061090	1	2	.90
26	S1-AX18	Rod Socket Assembly 8161518		6	.85
27	G-AX2	Hitch Pin Assembly 8061502	1	3	.80
28	G-CX1A	Frame Assembly 152024	19	7	17.75
29	G-A97	Transmission Case Support Gasket 8061097		3	.10
30	G-B1	Wheel Hub - 8062001	10		8.50
31	152014	Washer		3	.15
32	G-A37	Ratchet Pawl Pin 8061037		6	.44
33	152009	Ratchet Pawl Assembly		14	1.40
34	G-A35	Ratchet Cage - 8061035	3	10	3.90
35	F-A51	Ratchet Pawl Trip Finger 8051051		4	.12
36	715001	7/16-14 x 1/2" Headless Screw		1	.10
37	F-A52	Trip Finger Holder Spring - 8051052		4	.12
38	F-A62	Trip Finger Holder Plug - 8051062		4	.08
39	G-A114S	Trip Finger Holder with Bearing 8061114	2		2.15
40	G-B2	Axle 8062002	8	6	5.05
41	G-A41	Axle Key 8061041		4	.15
42	G-A40	Axle Bearing 8061040		6	.60
43	G-A111	Retaining Ring 8061111		4	.20
44	G-A112	Axle Housing Spacer 8061112		7	.08
45	G-A64	Drive Belt — 45" — USE 152017	1		2.40
46	G-A63	Transmission Pulley 8061063	3		3.40
47	152011	Stand Assembly	2	6	1.60
48	SS-B23C	Drive Wheel - 8262023	13		7.80
49	SS-A100	Hub Bolts 8261100		3	.20
50	G-A46	Axle Set Collar 8061046		12	.55
51	S2-A37	Idler Pulley Thrust Washer 8191037		2	.20
52	S2-A20	Inner Bearing Race 8191020		3	.60
53	S2-A48	Idler Pulley Bearing - 8191048		3	.80
54	SS-A3A	Idler Pulley 8261003	1	6	1.90
55	G-A100	Engine Pulley Key 8061100		4	.15
56	G-AX3	Idler Lever Assembly 8061503	1	11	1.75
57	G-A58	Idler Lever Spacer 8061058		6	.60
58	G-A59	Engine Pulley 8061059		14	4.00
59	D-A73A	Belt Stop 8021073		8	.45
60	S2-A47	Spring 8191047		2	.20
61	G-A89	Belt Stop 8061089		2	.10
62	G-A88	Belt Stop Holder 8061088		10	.55
63	152005	Base Assembly	11		9.30
64	152006	Stand Spring		6	.10
	727002	Grease Fittings — #1641 Alemite		1	.10
		Tool Kit only	4		2.60
		Grease Gun	2		1.30
		Allen Wrench 5/16" — Short		4	.20



**SIMPLICITY  
MANUFACTURING CO.**

**Gardening  
Supplement  
to Owner Manual**

## Power In Your Hands

The Garden Tractor is not new, for it has been a part of the American scene for over thirty years. Yet it is only comparatively recently that increasing public acceptance, coupled with new developments in design and construction, have shown what a tremendously effective job garden tractors can do in providing improved gardening methods plus year round savings in time, labor and expense.

In essence, tractor gardening is simply the application of power to jobs formerly done by hand — in an era when hand labor was cheap and abundant — and greatly multiplying that power so that even a child, given control of such power, can do the work of several hand laborers. For example, a man wielding a hoe over a long working period would average less than one horsepower . . . yet the same man, using the constant tireless power developed by a two, three or five horsepower garden tractor, is enabled to do the work of four or five men using hand tools.

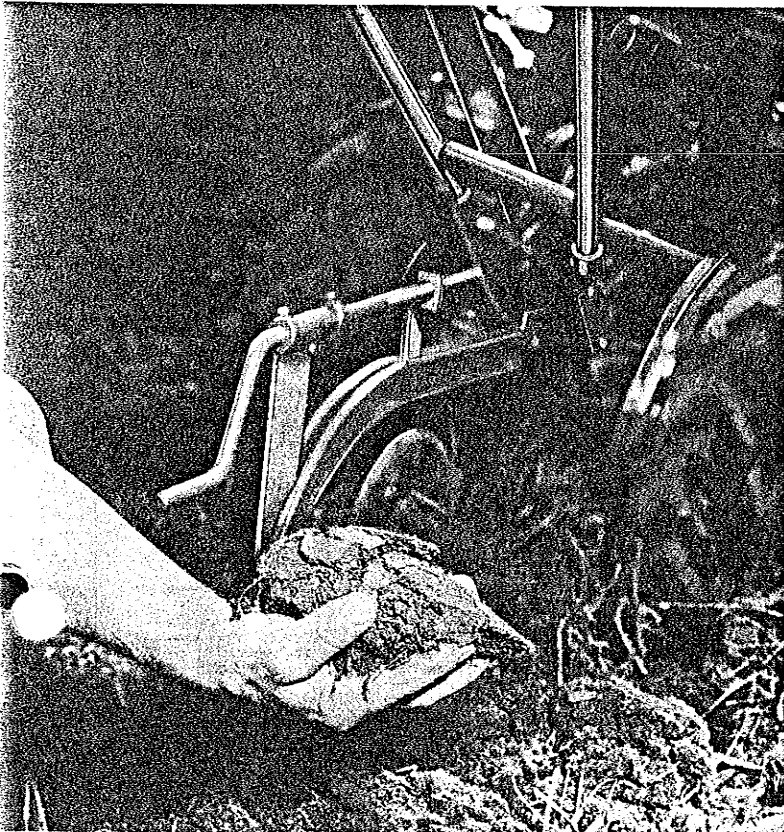
The paragraphs which follow list some of the steps toward the establishment of a good tractor garden, using a garden tractor to reduce your time and effort, and to increase your pleasure in a worthwhile garden of your own.

# Check List for a good Tractor Garden

Garden tractors can, of course, be used to advantage in almost any garden, but for most efficient use of tractor power, certain provisions should be made in laying out the garden plan:

1. **Make garden long and narrow** to provide long rows for tractor plowing, seedbed preparation and cultivation. A good proportion is half as wide as it is long — 50 by 100 feet, or 75 by 150 feet, for example.
2. **Run rows east and west** (preferably) so tall crops like corn can be placed on north side to avoid shading smaller crops.
3. **Locate garden where enclosing fence is not necessary**, if possible, or where ends are quickly removable, to simplify working with power equipment.
4. **Leave 6 to 10 feet of headlands** at each end, to provide turning room for the tractor at the end of rows. Headlands should be seeded to grass or cultivated to control weeds.
5. **Select level ground.** Tractor equipment will work better and can cultivate closer to small plants. On sloping land, run rows across the slope on the contour.
6. **Avoid low spots.** They stay wet while higher ground is ready to work, thus hampering tractor operations. Low areas also frost late in spring and early in fall.
7. **Select well-drained area** — for more efficient tractor operation and to produce greater yields.
8. **Choose rich, friable loam** — it's easier to plow and cultivate, and grows better crops. Heavy clay soils can be built up with manure and sand, and soil conditioners used where cost is economical.
9. **Select dark deep soils** without tight clay subsoil. Dark soils are high in organic matter and easier worked.
10. **Provide "sweet" or slightly acid soils.** Test for limestone and other mineral deficiencies and add fertilizers if necessary.
11. **Locate garden close to house and tractor equipment storage.** Saves steps, makes it easier to use power equipment at the right time.
12. **Place garden away from trees.** They rob the soil of minerals and water, and shade the crop. Where trees cannot be avoided, prune lower branches, fertilize heavily and irrigate crops.
13. **Provide full sunlight.** Don't let buildings or trees shade the garden area.
14. **Give a southern exposure.** Ground will dry out more quickly in the spring, so garden may be started earlier, and crops mature faster.
15. **Protect the garden** by buildings or windbreaks on the north. This also helps crops mature earlier.
16. **Consider irrigating with power equipment.** Supplying water during dry periods will often double the yield.

Soil is too dry when it plows up into large, hard lumps.



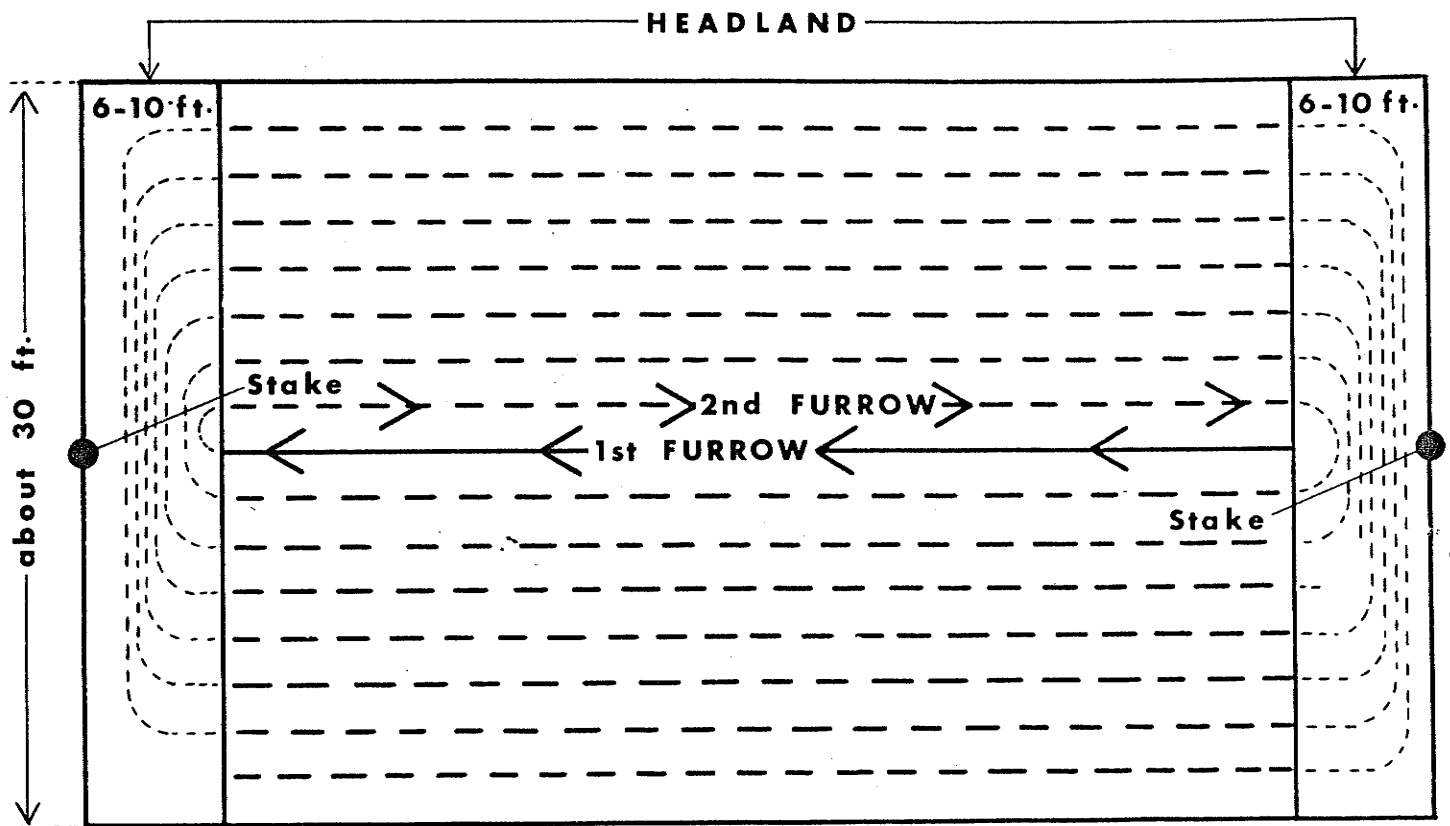
Soil is "just right" for plowing when ball of soil crumbles in the hand.



# STEP I—Determining Kind and Amount of Tractor Garden Crops to Plant

VEGETABLES	GUIDE FIGURES		FOR YOUR TRACTOR GARDEN		
	Approx. Yield per 100 Feet of Row	Feet of Row Needed per Family of Five	Feet of Row Needed	Spacing Between Rows	Area Needed in Square Feet. Ft. of Row X Spacing
Asparagus -----	40 lbs.	100	_____	6 ft.	_____
Bean, snap (bush) -----	1 to 2 bushels	250	_____	3 ft.	_____
Bean, snap (pole) -----			_____		_____
Bean, dry shell -----	½ bushel	250	_____	3 ft.	_____
Bean, Lima -----	10 qts. shelled	100	_____	3 ft.	_____
Bean, edible soy -----	10 qts. shelled	100	_____	3 ft.	_____
Beets -----	2 bushels	100	_____	3 ft.	_____
Broccoli -----	40 heads	50	_____	3 ft.	_____
Brussels Sprouts -----	30 lbs.	50	_____	3 ft.	_____
Cabbage, early -----	60 heads	50	_____	3 ft.	_____
Cabbage, late -----	40 heads	100	_____	3 ft.	_____
Cabbage, Chinese -----	25 heads	50	_____	3 ft.	_____
Carrot -----	2 bushels	200	_____	3 ft.	_____
Cauliflower -----	40 heads	50	_____	3 ft.	_____
Celery -----	160 plants	50	_____	3 ft.	_____
Chard, Swiss -----	100 lbs.	25	_____	3 ft.	_____
Cucumber -----	2 to 3 bushels	100	_____	6 ft.	_____
Eggplant -----	100 fruit	25	_____	3 ft.	_____
Endive -----	100 plants	50	_____	3 ft.	_____
Horseradish -----	75 roots	25	_____	3 ft.	_____
Kale -----	100 lbs.	25	_____	3 ft.	_____
Kohlrabi -----	2 bushels	50	_____	3 ft.	_____
Lettuce, leaf -----	50 lbs.	100	_____	3 ft.	_____
Lettuce, head -----	50 heads	25	_____	3 ft.	_____
Muskmelon -----	75 fruit	100	_____	6 ft.	_____
Onion -----	2 bushels	200	_____	3 ft.	_____
Parsley -----	100 bunches	10	_____	3 ft.	_____
Parsnips -----	3 bushels	100	_____	3 ft.	_____
Peas -----	10 qts. shelled	500	_____	3 ft.	_____
Peppers -----	200 fruit	25	_____	3 ft.	_____
Potatoes -----	1 to 2 bushels	1000	_____	3 ft.	_____
Potatoes, sweet -----	1 bushel	200	_____	3 ft.	_____
Pumpkin -----	75 fruit	50	_____	6 ft.	_____
Radish -----	100 bunches	100	_____	3 ft.	_____
Rhubarb -----	100 lbs.	50	_____	3 ft.	_____
Rutabaga -----	2 bushels	100	_____	3 ft.	_____
Salsify -----	1 bushel	50	_____	3 ft.	_____
Spinach -----	55 to 100 lbs.	200	_____	3 ft.	_____
Spinach, New Zealand -----	200 lbs.	25	_____	3 ft.	_____
Squash, winter -----	50 fruit	100	_____	6 ft.	_____
Squash, summer -----	150 fruit	50	_____	3 ft.	_____
Sweet Corn -----	150 ears	600	_____	3 ft.	_____
Tomatoes -----	5 bushels	200	_____	3 ft.	_____
Turnips -----	2 bushels	50	_____	3 ft.	_____
Watermelon -----	50 fruit	100	_____	6 ft.	_____
			Total square feet of garden — _____		





How to "lay off" land.

1. Headland 6 to 10 ft. wide at each end.
2. Stakes set about 15 ft. from one side at each end at outsides of headlands.
3. Tractor plows first furrow toward stake at other end.

4. Tractor turns to right on headland after plowing first furrow, plow lifted out of the ground.
5. Tractor plows second furrow, right wheel just on edge of dirt of first furrow.
6. Direction arrows showing successive furrows.

## Planning Your Garden

Careful planning before the first guide stake is driven conserves time and energy throughout the gardening season. Follow these easy steps:

### STEP I — Choose Kind and Amount of Garden Crops

Check the vegetables listed in Table, Step I, and determine the lengths of rows needed for each crop you have selected.

### STEP II — Plan the Garden Arrangement

Draw your garden area to scale on a piece of graph paper, letting one  $\frac{1}{4}$ -inch square equal either 3 ft. or 6 ft. With 36-inch row spacing, crop rows will fall on each  $\frac{1}{4}$ -inch line, using the 3-ft. scale. Lay out the rows and placement of crops as follows:

1. **Space Rows 36 Inches Apart.** This makes it possible to straddle the rows of small crops and to cultivate between rows as crops become larger. In small garden areas, the 36-inch space may be subdivided with quick-growing crops planted between rows. Vine crops should be spaced at six feet.
2. **Group Perennial Vegetables** such as asparagus and rhubarb, along with raspberries and other small fruit

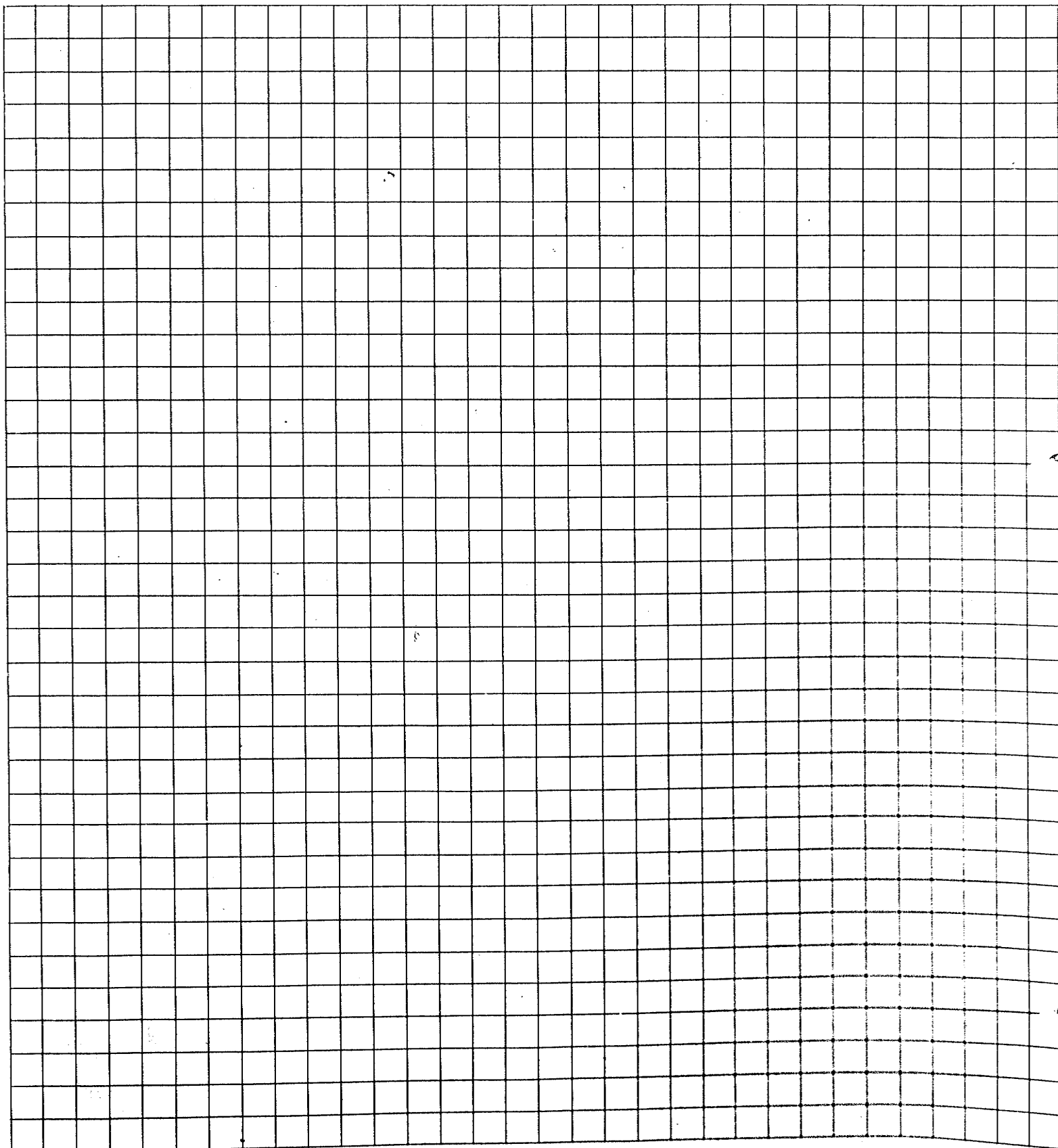
on one side of the garden, to allow a clear area for tractor operations over the balance of the garden.

3. **List Early-Planted Crops**, starting from one side (preferably south, then list the later warm-season crops. Save time by working up a strip of ground, planting it, then working up the next strip as needed.
4. **Avoid Shading Smaller Crops.** Put tall plants on the north side, if possible. Where rows run north and south, place tall crops on either side, and vine crops with six-foot spacing next to the last planting.
5. **Allow Space for Successive Plantings.** Garden tractors make repeated plantings more practical because of the ease of working the ground.
6. **Limit the amount** of Swiss chard, parsley, radishes and other crops where small quantities go a long way.

**STEP III — Order the Right Kind and Amount of Seed.** Check the Seed Order Guide (Table, Step III), reliable seed catalogs, and bulletins and circulars published by your State Agricultural College.

# STEP II—Your Tractor Garden Plan

Draw in garden area to scale. Use  $\frac{1}{4}$  inch, the side of one square, to equal either 3 ft., or 6 ft., depending on size of garden area. At 3 ft. per  $\frac{1}{4}$  inch, crop rows will fall on each line; at 6 ft., rows will be on each line plus one between each line. Leave 6 ft. to 10 ft., at end of rows for turning tractor equipment.



# Hints on Preparing Your Seedbed

The most important single factor in preparing a good seedbed is *timeliness* — choosing the *right* time to plow, the *right* time to disc, the *right* time to harrow. Methods of preparing a good seedbed vary with different soils, so select the operations which most nearly fit your soil from the following four steps:

1. **Clear off all heavy trash and crop residue** — such as cornstalks, dried-up tomato vines, rocks, branches, etc. This removes old, diseased plants that harbor insect pests, and makes it easier to work the ground. It is good practice to turn under green manure crops such as fall-seeded rye, hairy vetch, etc.
2. **Plow in spring** light soils such as sandy loams and silts.

**Plow in fall** heavy soils containing large amounts of clay. These soils usually plow up into large slabs, but winter freezing and thawing break them down.

3. **Disc spring plowed ground immediately** . . . don't give it a chance to get hard and dry after plowing.

**Disc fall plowed ground in the spring** . . . just as soon as it is hard enough to work.

4. **Harrow disced ground to level** . . . the final step in preparing your seedbed.

## HOW TO PLOW WITH A GARDEN TRACTOR

1. Make sure plowshare and moldboard are free from rust. Remove varnish from new plow with sand-

The first furrow is the guide for all succeeding furrows — so be sure it's straight, head for the marker.

paper. Place two wheel weights on left wheel and counterweight to front of tractor.

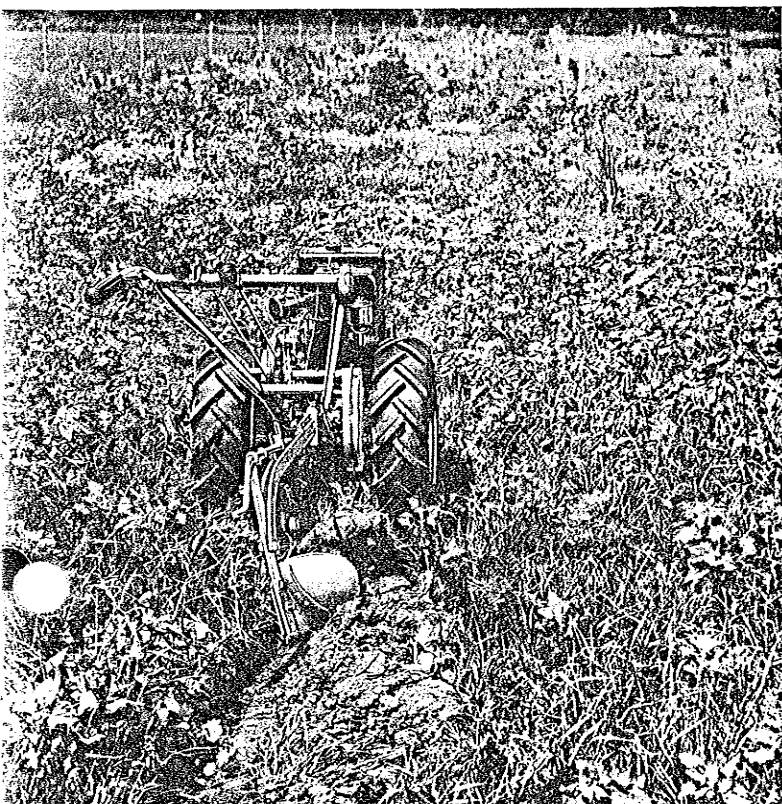
2. Step off about 15 feet from one side and place a stake at each end of outsides of headlands to lay off the first plowing area, which is called a "land." If the garden is under 50 feet wide, mark the center so the whole area can be plowed as one "land." (See diagram)
3. Start the plow at one end marker and plow straight toward the marker at the other end.
4. Lift the plow out of the ground when reaching the headland at the far end, turn around and
5. Continue to plow back and forth as indicated until "land" is completed.

## DISCING PLOWED GROUND

Prompt action with the disc will save much work. Soil moisture should be the same as for plowing — or dry enough so that it will not stick together in a wet ball. Disc plowed ground in lands, straight through the garden lengthwise, splitting the backfurrow where the plow threw the first two furrow slices together. On reaching the end, turn and disc across the plowed end seven to eight feet (half of one side of the plowed land), then turn and disc straight back to the starting point.

When discing, it is usually best to lap half, throwing the soil first one way and then back on the next round. This

Lift the plow out of the ground at the end of the row, turn on the headland and you're on your way back.



## STEP III—Seed Order Guide

VEGETABLES	NORMAL REQUIREMENTS		
	Feet of Row Needed for Family of Five	Amount of Seed to Order	Amount for Your Garden Feet of Row      Seed to Order <i>(Put in pencil so adjusting can be made as needs change.)</i>
Asparagus .....	100	60 plants	_____
Bean, snap (bush) .....	250	2 lbs.	_____
Bean, snap (pole) .....	250	2 lbs.	_____
Bean, dry shell .....	250	2 lbs.	_____
Bean, Lima .....	100	1 lb.	_____
Bean, edible soy .....	100	½ lb.	_____
Beet .....	100	1 oz.	_____
Broccoli .....	50	1 packet or 30 plants	_____
Brussels Sprouts .....	50	1 packet or 30 plants	_____
Cabbage, early .....	50	1 packet or 40 plants	_____
Cabbage, late .....	100	1 packet or 60 plants	_____
Cabbage, Chinese .....	50	1 packet	_____
Carrot .....	200	1 oz.	_____
Cauliflower .....	50	1 packet or 30 plants	_____
Celery .....	50	1 packet or 100 plants	_____
Chard, Swiss .....	25	1 packet or 100 plants	_____
Cucumber .....	100	½ oz.	_____
Eggplant .....	25	1 packet or 12 plants	_____
Endive .....	50	1 packet	_____
Horseradish .....	25	20 plants	_____
Kale .....	25	1 packet	_____
Kohlrabi .....	50	1 packet	_____
Lettuce, leaf .....	100	½ oz.	_____
Lettuce, head .....	25	1 packet or 25 plants	_____
Muskmelon .....	100	½ oz.	_____
Onion .....	200	1 oz. seed or 6 lbs. set	_____
Parsley .....	10	1 packet	_____
Parsnips .....	100	½ oz.	_____
Peas .....	500	5 lbs.	_____
Peppers .....	25	1 packet or 20 plants	_____
Potatoes .....	1000	1½ bushels	_____
Potatoes, sweet .....	200	150 plants	_____
Pumpkin .....	50	½ oz.	_____
Radish .....	100	1 oz.	_____
Rutabaga .....	100	½ oz.	_____
Salsify .....	50	¼ oz.	_____
Spinach .....	200	2 oz.	_____
Spinach, New Zealand .....	25	1 packet	_____
Squash, summer .....	50	¼ oz.	_____
Squash, winter .....	100	1 oz.	_____
Sweet Corn .....	600	1½ lbs.	_____
Tomato .....	200	1 packet or 60 plants	_____
Turnips .....	50	1 packet	_____
Watermelon .....	100	1 oz.	_____





Ground should be disced immediately after plowing is completed.



Cultivating small crops . . . shovels adjusted to cultivate close to rows, tractor in slow speed.

## Hints on Preparing Your Seedbed

*Continued from page 21*

helps keep the land level. When soil is sufficiently dry, it may be double disced as many times as necessary to put it in good condition.

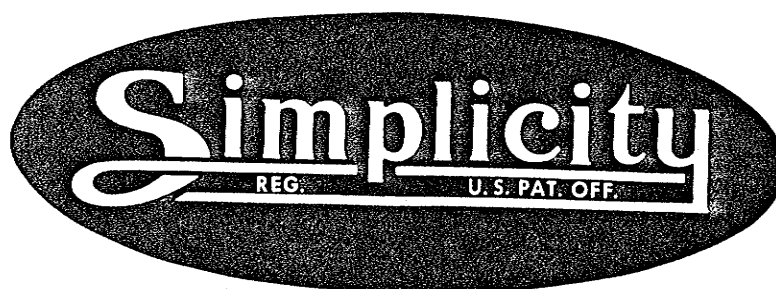
The disc can be used to control weeds on ground not planted by going over the land once or twice before weeds get a good start.

### **HARROW DISCED GROUND**

Use the spike tooth harrow following discing, to level the ground and break up large clods. This will knock down high spots and fill in low spots. The best time to harrow is immediately after discing, as surface clods containing moisture will be more easily broken, and a finer seedbed obtained.

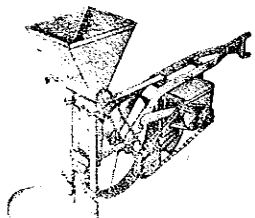
For the first time over, it is usually best to set the teeth down to penetrate into the soil. This helps rid the soil of air pockets and breaks up many of the undersurface clods. Go over the ground in the same direction as it was plowed even though the plot was last disced crosswise.

When the soil works easily, "once over lightly" may put the seedbed into condition for planting — or it may be advisable to harrow several times. At second or third harrowing (especially if the ground is uneven) it is usually best to harrow across the direction of plowing, or at an angle. And for the final harrowing, the harrow teeth should be set for minimum penetration, to "float" over the ground.

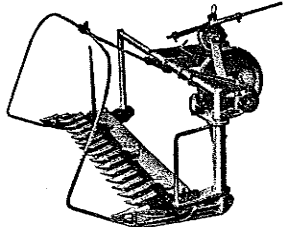


# NOTES

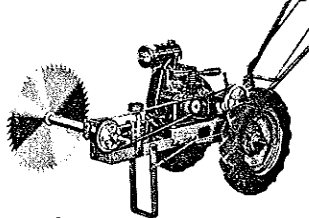




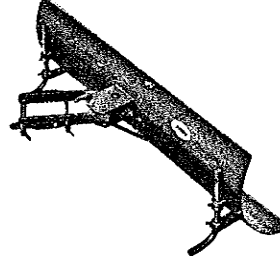
3-Disc Seeder



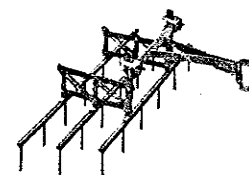
30" Sickle Bar



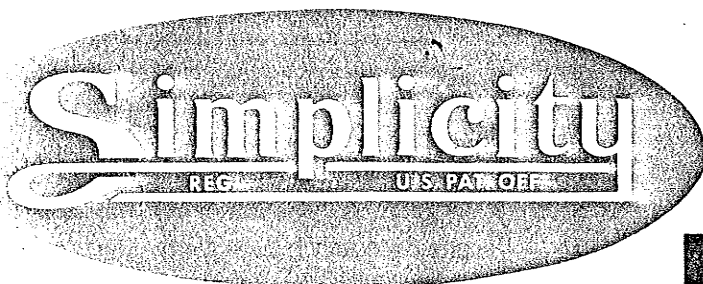
20" Brush and Log Saw



42" and 30" Blade  
Snow Plows and Bulldozers

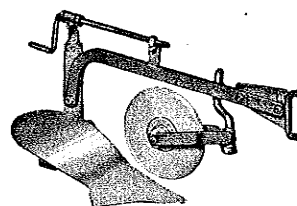


Spike Tooth Harrow

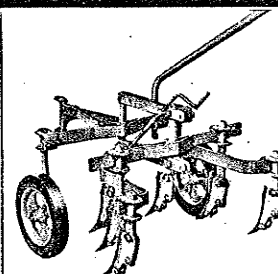


for every yard, garden and farm —  
economical labor-saving POWER the year 'round!!

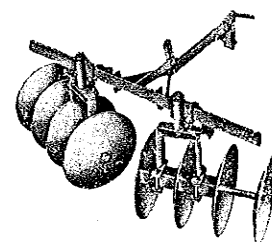
Whatever the season, Simplicity versatility saves you time and work on over thirty common tasks — jobs you can handle faster, easier, more efficiently with Simplicity. And you'll find them more enjoyable, too, because Simplicity's balanced design eliminates excess bulk and weight, gives you easy maneuverability with a minimum of fatigue and effort!



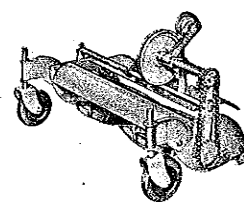
10", 8" and 6 1/2" Plows



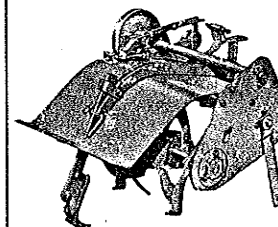
6-Shovel Cultivator  
(Front or Rear Mount)



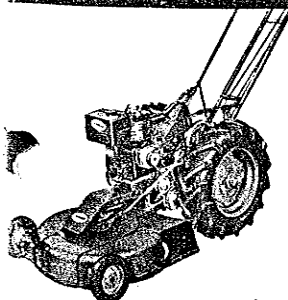
8- and 6-Disc Harrows



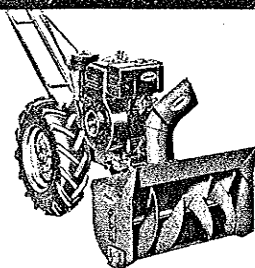
20", 24" and 30" Lawn Mowers



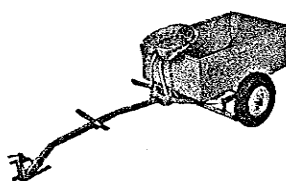
12" and 16" Rotary Tillers



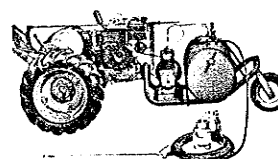
20" and 24" Rotary Lawn Mowers



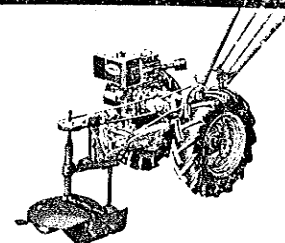
26" Rotary Snow Plow



Sulky and Dump Body

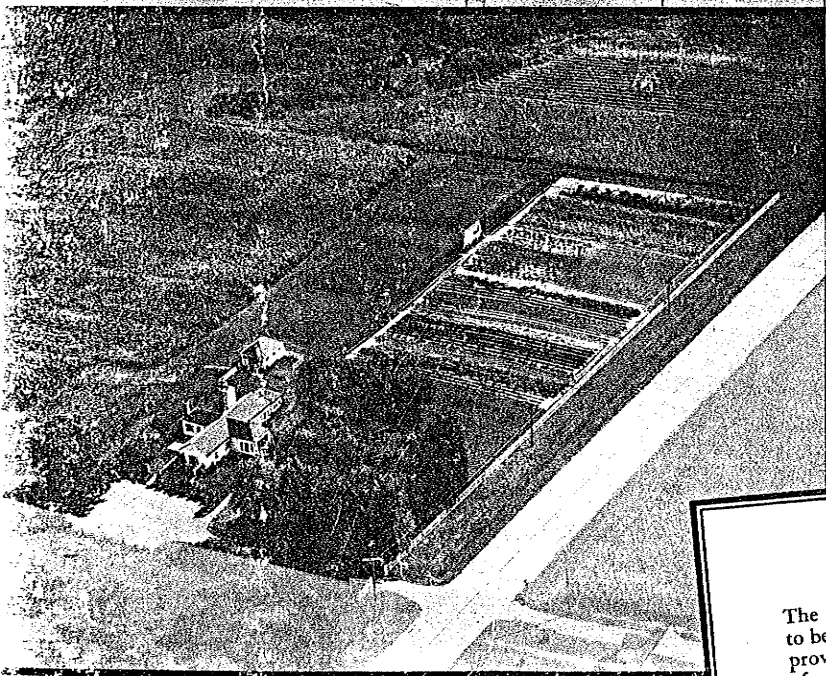
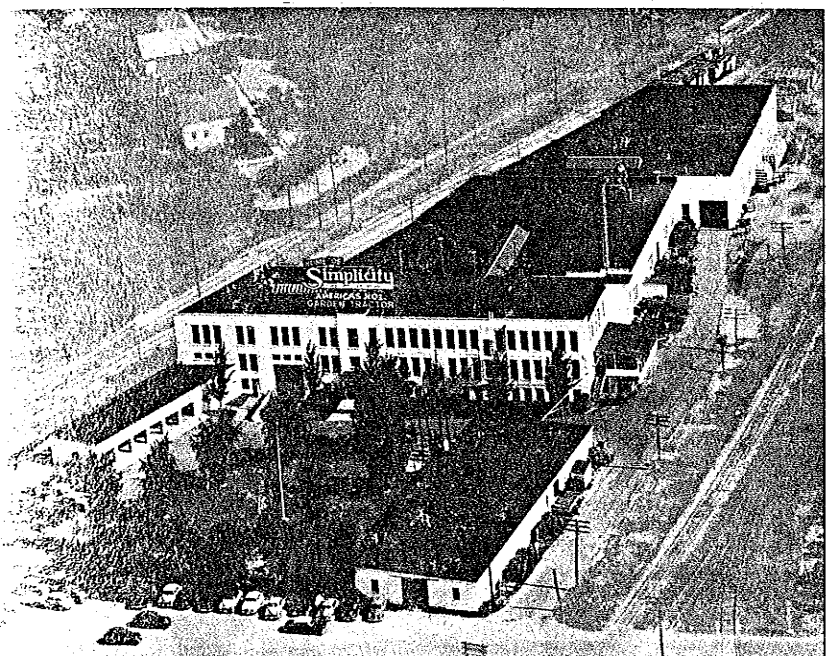


Sprayer and Compressor Unit



26" and 20" Rotary Weed Cutters

# These help make America's No. 1 line of garden tractors and implements



## Modern Manufacturing Facilities

Simplicity's modern industrial plant, devoted exclusively to the production of superior garden tractors and implements, combines top-flight engineering with skilled craftsmanship and up-to-date machinery — *complete* facilities that include precision cutting and machining of gears. It's one reason why Simplicity offers you America's biggest garden tractor values.

## Industry's Finest Proving Ground

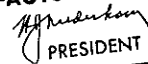
The garden tractor industry's most complete experimental farm and proving ground is used to put all Simplicity products through their paces under actual field conditions, to test the new machines and to improve methods of using others. The result: you're assured of easy-efficient operation plus long-lived reliability in use.

This written guarantee is your assurance that Simplicity regards its garden tractors and implements as the finest built — designed to assure you of quality construction, dependable performance and years of trustworthy service.

## Guarantee

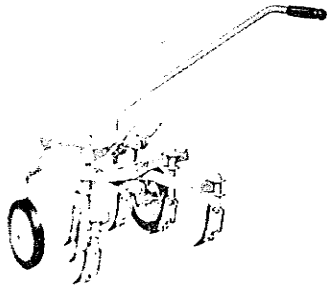
The Company guarantees Simplicity tractors and attachments to be free from defects in material and workmanship. Any part proven defective within 90 days, under normal use, from date of purchase, will be replaced free of charge, f.o.b. Port Washington, Wisconsin, provided such part is returned to factory transportation charges prepaid, and if upon examination at the factory found to be defective. The Company is not obligated under this guarantee to bear cost of labor or delivery charges in replacement of defective parts. This guarantee does not apply to any Simplicity tractor or attachment altered outside of Simplicity's factory.

SIMPLICITY MANUFACTURING COMPANY

  
PRESIDENT

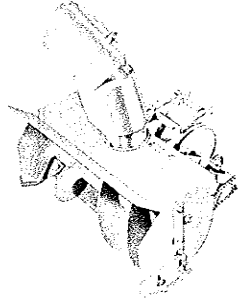
SIMPLICITY MANUFACTURING COMPANY  
Port Washington, Wisconsin

# MAKE ALL YOUR WORK EASIER...



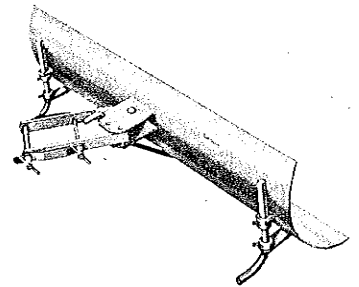
## REAR MOUNTED CULTIVATOR.

Adjustable to many crops and soil conditions. Working depths easily controlled by parallel tool lift and a new regulator. Tools are staggered to clear trash. Works astride or between rows. Use with all Simplicity tractors.



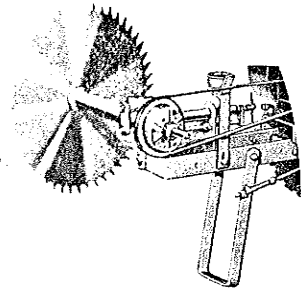
## 26" ROTARY SNOW THROWER.

Cuts a 26-inch swath through deep snow. Revolving outlet duct is controlled from tractor handles, can be turned to throw snow in any direction, and, by angling duct cap, to the desired distance from the tractor. Adjustable shoes enable the plow to clear rough or graveled surfaces. For use with 5 HP, 5 3/4 HP and 7 HP Simplicity tractors.

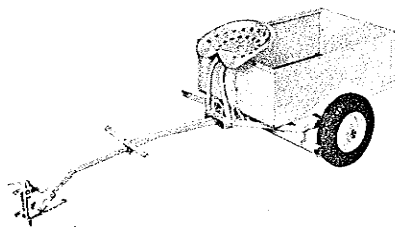


## 30" AND 42" SNOW PLOW AND BULLDOZER.

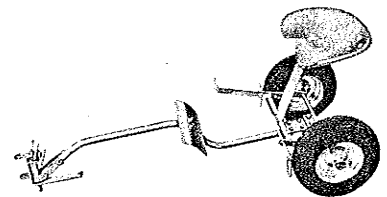
All-steel blades clear snow quickly and easily. Blades angle at left, right or straight ahead for light grading, cleaning farm buildings or poultry runs. Adjustable gauge shoes. Use with all Simplicity tractors. Wheel weights and tire chains.



**11" BRUSH and LOG SAW and CRADLE.** Operates vertically for bucking and limbing, horizontally for cutting trees to 16" diameter and clearing underbrush. Auto-clutch disengages when throttle is closed or engine is overloaded. Available with steel lifting frame (extra) for cutting in woods. Use with all Simplicity tractors.

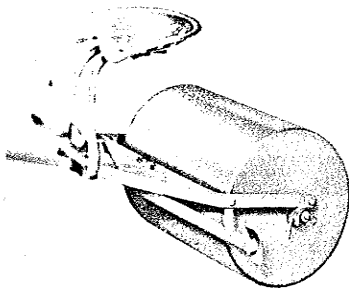


**COMBINATION HEAVY-DUTY RIDING SULKY.** Ride while you mow, haul or roll the lawn. Sulky consists of sturdy frame adjustable to track behind tractor, or to either side. Comfortable seat, rubber-tired roller-bearing wheels. Lawn roller interchanges with wheels. Trailer body attaches without removing seat. Use with all Simplicity tractors.

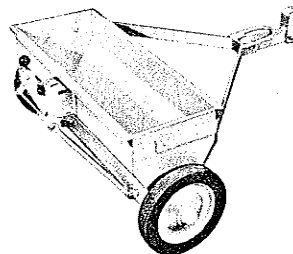


## STANDARD RIDING SULKY.

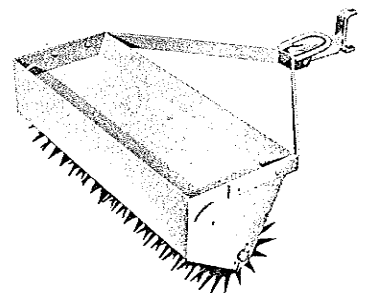
"Ride while you work" on comfortable seat. Can be used with Gang Mower and all front-hitch attachments. Equipped with brakes. Use with all Simplicity tractors.



**LAWN ROLLER.** Attaches to Combination Sulky in minutes, without tools, by pulling two pins from wheels and substituting roller. Equipped with easily removed tubular handles for easy rolling. Nylon bearing needs no lubrication. Use with all Simplicity tractors.

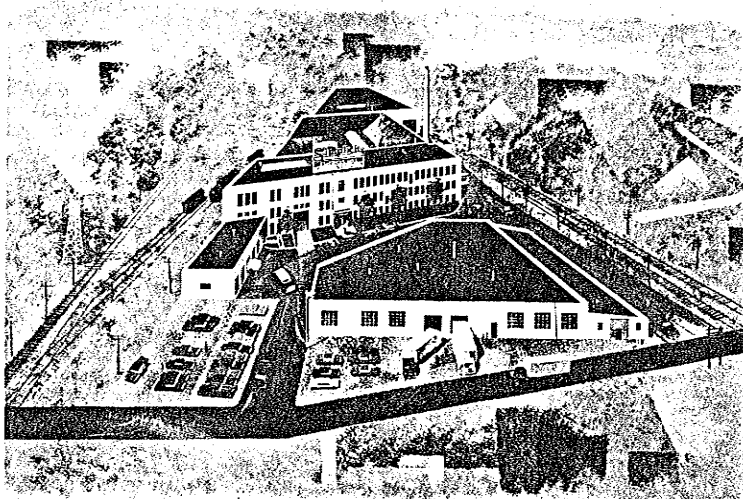


**FERTILIZER AND SEEDER.** Huge hopper capacity saves re-loading time. Newly-designed agitator control has 20 settings to properly spread seeds and fertilizer. Stainless steel valve and baffle plates eliminate rust and corrosion. Use with all Simplicity walking tractors.

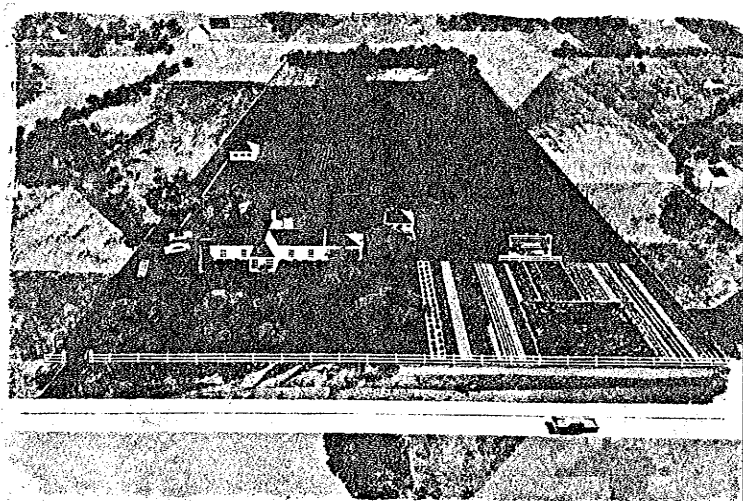


**LAWN AERATOR.** Designed to cultivate as well as aerate lawns quickly, easily and well. Heavy-gauge weight pan. Weights in pan help spikes penetrate deep into the soil. Fifteen knife-like spike blades pierce the ground cleanly, leaving no ugly holes as other implements with square or round spikes do. For use with all Simplicity tractors.

## INDUSTRY'S FINEST MANUFACTURING FACILITIES



## INDUSTRY'S LARGEST PROVING GROUNDS



**SIMPLICITY MANUFACTURING COMPANY**  
Port Washington, Wisconsin

**2** good reasons why

**Simplicity** **PRODUCTS**

## LEAD THEIR INDUSTRY

Simplicity's modern industrial plant was designed and erected solely for the production of lawn and garden power equipment. Here, the finest and most advanced facilities . . . experience gained from 36 pioneering years in this industry . . . and a skilled team of engineers and craftsmen join together to create superior power equipment. The result is *leadership* . . . and better gardening equipment for America.

This is Simplicity's 40-acre experimental farm and proving grounds, largest in the industry — where all Simplicity products are given punishment no buyer could ever inflict. Here is where the mechanical "bugs" come out . . . and all products get their final "OK". And all the industry knows that a Simplicity "OK" means *dependability* — under the most trying conditions.

## Guarantee

The Company guarantees Simplicity products to be free from defects in material and workmanship. Any part proven defective within 90 days, under normal use, from date of purchase, will be replaced free of charge, provided such part is returned to factory and if upon examination at the factory found to be defective. The Company is not obligated under this guarantee to bear cost of labor or delivery charges in replacement of defective parts. This guarantee does not apply to any Simplicity product altered outside of Simplicity's factory.

**SIMPLICITY MANUFACTURING COMPANY**

*H. J. Niederkorn*  
PRESIDENT